

SERIES.

G.O. NO. Ms.No.1355 Education

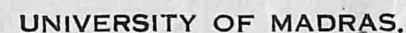
1355

Dated 30th April 1949.

[Despatch Abstract.]

University - Madras - Annual Report for the year 1948 - From the

Department.	Date.	G.O.	No.	Department.	Date.



UNIVERSITY BUILDINGS.

CHEPAUK,

No

Madras

21 APR 1946

From
The Registrar,
University of Madras.

To
The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, Madras.

Sir,

I have the honour to inform you that as required under Section 20 of the Madras University Act, the Report for the Calendar year 1948 was presented to the Senate at its annual meeting held on the 23rd March. I enclose, herewith, an extract of the Proceedings of the Senate relating to the adoption of the report.

Six copies of the Annual Report are forwarded herewith, the receipt of which may kindly be acknowledged.

Yours faithfully,

Ag. REGISTRAR.

mks/

7

EXTRACT FROM THE MINUTES OF THE MEETING
SENATE HELD ON THE 23RD MARCH 1949.

(1) BUSINESS BROUGHT FORWARD BY THE SYNDICATE

3. The Syndicate presented in accordance
Madras University Act, the Annual Report of the
Calendar year 1948.

The Rev. Dr. A.J. Boyd moved -

That the Annual Report be adopted.

Dr. Md. Abdul Haq seconded the motion

The following amendment was ruled out

By Mr. S. Tiruveng

That the whole of last para in page
report be deleted.

After Diwan Bahadur K.S. Ramaswami
Amiruddin, and Messrs. B. Bhima Rao, S. Tiruve
A.K. Annaswami, V.I. Munuswami Pillai, C.M. R.
K.P. Padmanabha Pillai, N. Ranga Reddi, M.N.
and the Rev. Dr. A.J. Boyd had spoken, the mo
and carried.

mks/

E. & P.

University - Madras - Annual Report for

C.No. 30419/49. From the Registrar, Madras University, No. A.

Order./Ms.No. 1355 Edn.,

Recorded.

2. Six copies of the Report have been

To
The Registrar,
Univ. of Madras.
The Exr. of L.F. Accts.
(with a copy of the
Report)

The D.P.I. -do-
The A.G. -do-

Note. May be circulated to H.M. (Ed)



25/4/49

14.7/49

22/4/49

25/4/49

THE
NINETY-SECOND ANNUAL REPORT

OF THE

University of Madras

1948



MADRAS:

PRINTED AT ANANDA PRESS.

1949

ANNUAL REPORT 1948.

CONTENTS.

	PAGE.
I. Introductory	... 1
II. Personnel	... 3
III. University Authorities	... 4
IV. Legislation :—	
(i) Statutes	... 8
(ii) Ordinances	... 11
(iii) Regulations	... 13
V. Constituent, Affiliated and Approved Institutions	... 18
VI. Courses of Study and Examinations	... 34
VII. Convocations	... 48
VIII. Teachers and Research Departments	... 50
IX. Items of General and Academic Importance.	66
X. Buildings and Accommodation	... 83
XI. Library	... 84
XII. Madras University Students' Information Bureau	... 88
XIII. Lectures	... 90
XIV. Endowments	... 92
XV. Accounts	... 93

Appendices

- A—Names of Institutions which have applied for fresh or further recognition or affiliation or approval. ... 1
- B—University Departments—Reports on work ... 9

UNIVERSITY OF MADRAS.

NINETY-SECOND ANNUAL REPORT, 1948.

January 1949.

I. INTRODUCTORY.

1. The Syndicate presents to the Senate, under Section 20 of the Madras University Act of 1923 as amended in 1929, the following report on the working and progress of the University during the year, 1948, the ninety-second year of its working. The report covers the period from the 1st January 1948 to the 31st December 1948.

2. The activities of the University continued during the year in all respects as in previous years. Mention may be made of the following as some of the noteworthy events of the year:—

- (i) Conferment of the Degree of Doctor of Laws (LL.D.) *honoris causa* on His Excellency Shri C. Rajagopalachari, Governor-General of India.
- (ii) Reappointment of Sir A. L. Mudaliar as Vice-Chancellor for a third term.
- (iii) Visit of the Universities Commission appointed by the Government of India.

ANNUAL REPORT 1948.

CONTENTS.

	PAGE.
I. Introductory	... 1
II. Personnel	... 3
III. University Authorities	... 4
IV. Legislation :—	
(i) Statutes	... 8
(ii) Ordinances	... 11
(iii) Regulations	... 13
V. Constituent, Affiliated and Approved Institutions	... 18
VI. Courses of Study and Examinations	... 34
VII. Convocations	... 48
VIII. Teachers and Research Departments	... 50
IX. Items of General and Academic Importance.	66
X. Buildings and Accommodation	... 83
XI. Library	... 84
XII. Madras University Students' Information Bureau	... 88
XIII. Lectures	... 90
XIV. Endowments	... 92
XV. Accounts	... 93

Appendices

A—Names of Institutions which have applied for fresh or further recognition or affiliation or approval.	... 1
B—University Departments—Reports on work	... 9

UNIVERSITY OF MADRAS.

NINETY-SECOND ANNUAL REPORT, 1948.

January 1949.

I. INTRODUCTORY.

1. The Syndicate presents to the Senate, under Section 20 of the Madras University Act of 1923 as amended in 1929, the following report on the working and progress of the University during the year, 1948, the ninety-second year of its working. The report covers the period from the 1st January 1948 to the 31st December 1948.

2. The activities of the University continued during the year in all respects as in previous years. Mention may be made of the following as some of the noteworthy events of the year:—

- (i) Conferment of the Degree of Doctor of Laws (LL.D.) *honoris causa* on His Excellency Shri C. Rajagopalachari, Governor-General of India.
- (ii) Reappointment of Sir A. L. Mudaliar as Vice-Chancellor for a third term.
- (iii) Visit of the Universities Commission appointed by the Government of India.

III. UNIVERSITY AUTHORITIES.

(a) Constitution.

6. Vacancies on the Authorities—the Senate, the Syndicate, and the Academic Council—that occurred during the year, on account of efflux of time or by resignation or by termination of appointment or membership of the electorates, were filled by election or nomination, as the case might be and wherever possible.

7. **Faculties:**—The new members of the Academic Council were assigned to one or other of the Faculties.

In the vacancies that occurred during the year in the Presidentship of the Faculties of Law, Teaching, Veterinary Science and Oriental Learning, the following persons were elected:—

Law:—

Sri K. Krishna Menon, M.A., LL.B., B.C.L.,
Barrister-at-Law.

Teaching:—

The Rev. T. R. Foulger, M.A.

Veterinary Science :—

Sri K. S. Nair, G.B.V.C., M.R.C.V.S., D.T.V.M.

Oriental Learning:—

Sri Diwan Bahadur T. M. Narayanaswami Pillai,
M.A., B.L.

The Presidentship of the Faculty of Commerce was vacant.

8. **Boards of Studies:**—Appointments to the Boards of Studies to fill vacancies which occurred during the year and reconstitution of the Boards owing to efflux of time were made by the Syndicate wherever necessary.

The following Boards of studies were reconstituted:—

- | | |
|---|-------------------|
| 1. English. | 13. Economics. |
| 2. Sanskrit. | 14. Geography. |
| 3. Marathi, Oriya, Hindi, Bengali, Burmese and Sinhalese. | 15. Mathematics. |
| 4. Greek, Latin, French and German. | 16. Physics. |
| 5. Hebrew and Syriac. | 17. Chemistry. |
| 6. Arabic, Persian and Urdu. | 18. Botany. |
| 7. Tamil. | 19. Zoology. |
| 8. Telugu. | 20. Geology. |
| 9. Kannada. | 21. Home Science. |
| 10. Malayalam. | 22. Anthropology. |
| 11. Philosophy. | 23. Teaching. |
| 12. History and Politics. | 24. Law. |
| | 25. Medicine. |
| | 26. Engineering. |
| | 27. Agriculture. |
| | 28. Technology. |

(b) Meetings

9. **The Senate:**—Two ordinary meetings of the Senate were held during the year—the Annual Meeting on the 30th March 1948, and the other meeting on the 25th November 1948. The average attendance was nearly 59 per cent.

A Special Meeting of the Senate was held on the 19th February 1948 to consider *inter alia* the report of the General Inspection Commission. Another Special Meeting of the Senate was held on the 24th August 1948 to consider the recommendation of the Syndicate *re* conferment of the Honorary Degree of Doctor of Laws (LL.D.) on His Excellency Shri Chakravarti Rajagopalachari, Governor-General of India. A third Special Meeting was held on the 26th November 1948 to consider the recommendations of the Syndicate on the report of the Special Committee

(7) Alterations in Statute 25 of Chapter XXVI—Recognition, Affiliation and Approval of Colleges—with a view to fixing the same recognition or affiliation fee which a college should pay to the University when applying for fresh or further recognition or affiliation, as the case may be.

(8) Alterations in Statute 24 of Chapter XXIX governing award of Scholarships for Training in the Indian Merchant Navy Training Ship 'Dufferin' consequent on the suggestions of the Government of India that from 1949 only Executive Cadets would be admitted for training, that only candidates who had passed the Matriculation or equivalent examination with Mathematics and who were between 15 and 17 would be admitted, that the period of training would be reduced from three to two years, and that the number of scholarships to be awarded by this University be increased from one to two each year.

(Volume I, Part II, Calendar, 1945-46.)

(9) Alterations in Statutes 1 and 3 of Chapter XXXVII—Fees—(i) increasing examination and other fees with a view to covering the cost of dearness and other allowances, restoring the old rates of remuneration to examiners, improving the salaries of University Teachers, covering the deficits in the several Departments of the University, making an adequate financial provision for the Alagappa Chettiar College of Technology, and, if possible, establishing one or more new Departments from among those already

approved by the Senate, and (ii) prescribing examination fees for the B.O.L. and M.O.L. Degrees under the Transitory Regulations.

The above alterations in, and additions to, the Statutes were, in accordance with Section 30 (3) of the Act, duly submitted to His Excellency the Chancellor and his assent was received.

(ii) Ordinances.

18. The following alterations in, and additions to, the Ordinances were made by the Syndicate during the year and duly submitted to His Excellency the Chancellor and the Senate, as required under Section 32 (2) of the Act:—

(Volume I, Part I, Calendar, 1945-46.)

- (1) Alterations in Ordinance 1 of Chapter XV—Boards of Studies—with a view to renaming the Board of Studies in Drawing and Architecture as the Board of Studies in Drawing and Painting, consequent on the introduction of Indian Painting as one of the optional subjects under Part III of the Intermediate and B.A. Degree Courses.
- (2) Alterations in Ordinance 39 (a) of Chapter XXIV—Conditions of Service of the Establishments of the University—with a view to increasing the number of days of casual leave permissible per year from 15 to 20 in the case of University Establishments.

(Volume I, Part II, Calendar, 1945-46.)

- (3) Addition of a new Ordinance as 8 in Chapter XXXV—Admission to Courses of Study—

with a view to empowering the syndicate to dispense with a strict compliance with the Laws of the University in regard to admission to courses of Studies or attendances at courses of this University in the case of refugee students from disturbed areas in North India and elsewhere.

- (4) Alterations in Ordinance 3 of Chapter XXXVI—Conduct of Examinations—with a view to holding two examinations a year for Part I only of the newly instituted B. Com. (Honours) Degree.
- (5) Addition of a new paragraph to Ordinance 6 of the above Chapter with a view to making provision for instruction and examination in any Group under Part III of the B. A. Degree in an Indian Language for the benefit of those who pass the Intermediate Examination after receiving instruction through the medium of the same language in any subject.
- (6) Alterations in Ordinance 7 of the above Chapter with a view to changing the name of the Board of Examiners from Drawing and Architecture to Drawing and Painting, consequent on the introduction of Indian Painting as one of the optional subjects under Part III of the Intermediate and B.A. Degree Courses.
- (7) Alterations in the above Ordinance with a view to making provision for a Board of Examiners in Physical Education, consequent on the institution of a Diploma in Physical Education in the University.
- (8) Alterations in Ordinance 5 of Chapter XXXVII—Other Fees—increasing (i) the fees for

exemption from the production of attendance certificates for the Matriculation and other Examinations, (ii) tuition fees for Diploma Courses, and (iii) the fees for supplying extracts from Convocation Reports and Eligible Lists, and duplicate copies of Diplomas or Certificates, etc.

- (9) Alterations in Ordinance 7 of Chapter XL—Admission to Examinations and Exemption from Annual or Term Certificates—with a view to permitting students desirous of joining the Sangita Siromani Course to appear for the English Part of the Matriculation Examination without the production of the required certificates of attendance.
- (10) Alterations in Ordinance 11 of the above Chapter antedating the last date for receipt of applications for exemption from the production of attendance certificates and for scrutiny of applications for permission to appear for the Matriculation Examination from 30th September and 1st November respectively to 31st July, in view of the very large increase in the number of applications received for the purpose.

(iii) Regulations.

19. The following alterations in, and additions to, the Regulations, made by the Academic Council during the year, were placed before the Senate, as required under Section 33 of the Act :—

(Volume I, Part II, Calendar, 1945-46)

- (1) Addition of a new Regulation as 14 in Chapter XL governing Admission to Examinations

and Exemption from Annual or Term Certificates empowering the Syndicate to dispense with a strict compliance with the Laws in regard to admission to courses of studies or attendance at courses of this University in the case of refugee students from disturbed areas in North India and elsewhere.

- (2) Alterations in the Regulations governing the Intermediate Examination in Arts and Science—Chapter XLII—consequent on the introduction of Geology as a subject of study under Part III of the course.
- (3) Alterations in the Regulations governing the Intermediate and B. A. Degree Courses—Chapters XLII and XLIII—consequent on the inclusion of Indian Painting as one of the optional subjects in Group C of Part III of the Intermediate, and as Group (x) of Part III of the B. A. Degree Courses.
- (4) Alterations in the Regulations governing the B.A., B.A. (Honours), B.Sc. and B.Sc. (Honours) Degree Courses—Chapters XLIII, XLIV, XLIX and L—consequent on the introduction of Geography as a Main and a Subsidiary subject.
- (5) Addition of new Regulations in Chapters XLIV and L—governing the B.A. (Honours) and B.Sc. (Honours) Degree Courses respectively, making provision for exemption from the B.A. (Honours) Preliminary Examination in the case of those who have passed the B.Sc. (Honours) Part I and who change over to the B.A. (Honours) Degree Course, and *vice versa*.

- (6) Revised Regulations for the M.A. Degree Examination incorporating the recommendations of the Standing Committee *re* restricting the number of chances for appearing for the M.A. Degree, permitting recommended B.Sc.s also to appear for the M.A. Degree, and the necessity for an M.A. Degree in the Science Faculty, to be substituted for the existing Regulations in Chapter XLV.
- (7) Alterations in the Regulations governing the B.Sc. Degree Course consequent on the addition of "Surveying, Preliminary Prospecting, Ore Dressing and Assaying" to the list of Subsidiary Subjects for Geology Main.
- (8) Alterations in the Regulations governing the Degree of M.Sc. (by examination) making provision for a separate scheme of examination, passing minimum, etc., for Mathematics.
- (9) Alterations in Regulation 1 of Chapter LVI—M.B. & B.S. Degree Course—reducing the age limit for admission to the medical course, and making provision for appearing in certain subjects of the Intermediate or Pre-Registration Examination, if the candidates have not already taken those subjects for the qualifying examination, consequent on the proposed abolition of the Pre-Registration Examination.
- (10) Alterations in Regulation 3 of Chapter LXIV—B.T. Degree Course—and addition of a Transitory Regulation at the end of the Chapter as 8, consequent on the introduction of "Principles and Methods of Basic Education" as an optional subject under *E* in place of "Primary Education".

(11) Alterations in the above Regulation regarding inclusion of "Home Science" in the list of subjects for which exemption is provided, for a period of three years, with regard to the initial qualification to be required of candidates for the B.T. Degree Examination in the matter of selecting the two subjects to be offered under *E*—Methods of Teaching—Optional Subjects.

(12) Alterations in the Revised Regulations governing the B.V.Sc. Degree Course with a view to (i) making the examination in Animal Husbandry, Part I, for the B.V.Sc. Preliminary consist of written, practical and oral parts (instead of only a practical and oral examination as at present), and (ii) declaring candidates to have passed the B.V.Sc. (Preliminary, Intermediate—Parts I and II, and Final) Examinations if they obtain not less than one-half of the marks in the written and oral parts taken together and not less than one-half of the marks in the practical examination (instead of not less than one-half of the marks in the written part and not less than one-half of the marks in the oral and practical parts taken together as under the existing Regulations).

(13) Alterations in Regulation 4 of the Revised Regulations governing the B.Sc. (Tech.) Degree course (printed as Appendix to Volume I, Part II, Calendar, 1945-46) with a view to revising the scheme of examination in Leather Technology.

(14) Addition of Regulations for the newly instituted B.Com. (Honours) Degree Course, to be

incorporated in Volume I, Part II, Calendar, 1945-46, as a separate Chapter after Chapter LXIX governing the B.Com. Degree Course.

(15) Alterations in the Regulations governing the Oriental Title Examinations—Chapter LXXI—with a view to (i) limiting the scope of the Essay Paper in B.O.L. (Pass) (common to Siromani Final) Part II—B. Group I—to Special Part, and (ii) combining History of Sanskrit Language and History of Sanskrit Literature into a single paper and increasing the number of papers in the Prescribed Text-books—Special, from 3 to 4.

(16) Addition of a Transitory Regulation at the end of the above Chapter as 11, making provision for those who have passed Part I of the Intermediate Examination and Part III of the B.O.L. Degree Examination, and those who have passed Part I of the Intermediate Examination, but not Part III of the B.O.L. to sit for certain subjects of the B.O.L. Degree Examination under the New Regulations with a view to qualifying for the B.O.L. Degree, and extending the time for those who had already submitted theses for the M.O.L. Degree, but did not qualify for the Degree, to submit theses under the same Regulations under certain conditions.

(17) Alterations in Regulation 7 of the Regulations governing the Diploma Course in Journalism with a view to holding a supplemental examination for the benefit of those candidates who fail in Shorthand or Typewriting

or both at the examination for the Diploma in Journalism.

- (18) Addition of Regulations for the newly instituted Diploma Course in Physical Education, to be incorporated in Volume I, Part II, Calendar, 1945-46, as a separate Chapter after Chapter LXXIV governing Diploma Courses.

V. CONSTITUENT AND AFFILIATED INSTITUTIONS.

20. During the year, five new colleges three of them being for women, were opened after obtaining provisional affiliation, and two of the existing colleges which were raised to first grade status opened classes in B.A. and B.Com. courses. A new Engineering College was started at Anantapur. An Oriental College, (Arabic College) was also started at Pulikkal.

21. The number of constituent, affiliated and oriental colleges at the end of the year (31st December 1948) distributed according to the several Faculties (in which courses are taught) was as follows:—

<i>Faculty.</i>	<i>Constituent Colleges.</i>	<i>Affiliated Colleges.</i>
<i>Arts and Science—</i>		
Second Grade Colleges (teaching up to Intermediate course) ...	...	10
First Grade Colleges (Intermediate, B.A. and/or B.Sc. Courses) ...	3	33
First Grade Honours Colleges (Intermediate, B.A. and/or B.Sc.—Pass and Honours) ...	6	4

<i>Faculty.</i>	<i>Constituent Colleges.</i>	<i>Affiliated Colleges.</i>
<i>Law—</i>		
F.L. and B.L. ...	1	...
<i>Medicine—</i>		
M.B.B.S. and B.Sc. (Nursing) ...	...	1
M.B.B.S., M.D., M.S. ...	1	...
M.B.B.S., B.S.Sc., B.Sc. (Pharmacy), M.D., M.S. and Diploma courses. }	1	...
<i>Engineering—</i>		
F.E. and B.E. ...	1	2
<i>Teaching—</i>		
B.T. and M.Ed. ...	4	...
B.T. ...	...	2
<i>Agriculture—</i>		
B.Sc. (Ag.) ...	...	1
<i>Veterinary Science—</i>		
B.V.Sc. ...	1	...
<i>Technology—</i>		
B.Sc. (Tech.) ...	1	...
<i>Commerce—</i>		
B.Com. (Hons.) ...	2	...
B.Com. (Pass) ...	1	11
<i>*Oriental Learning—</i>		
B.O.L. (Hons.) ...	1	...

Oriental Colleges.

<i>Oriental Titles—</i>		
Siromani and Vidvan ...	9	Munshi-i-Fazil and/or
Siromani only ...	6	Afzal-ul-Ulama or
Vidvan only ...	4	Adib-i-Fazil
		} 6

Fine Arts—

Sangita Siromani ...	1
----------------------	---

22. The following Institutions which had applied for recognition or affiliation, under the Laws of the University on or before the 31st October 1947, were granted recognition, affiliation or approval as the case might be, in the courses mentioned against each, with effect from the academic year 1948-49:—

(1) *Loyola College, Madras.*

Intermediate—Part II—Hindi.

Part III—Natural Science.

B.A.—Part II—Hindi.

Part III—Group (v)—French.

B.Com.—Part II—Hindi.

B.Com. (Hons.) Degree.

(2) *Pachaiyappa's College, Madras.*

B.Com. (Hons.) Degree.

(3) *Presidency College, Madras.*

B.Sc.—Part I—Sanskrit, Tamil and Telugu.

(4) *Queen Mary's College, Madras.*

B.A.—Part III—Group (i-a)—Mathematics.

Group (ii-a)—Mathematics (Main) and Physics (Subsidiary).

Group (v)—Tamil and Early South Indian History.

†B.A. (Hons.) and B.Sc. (Hons.)—Geography.

(5) *Stella Maris College, Madras.*

Intermediate—Part I—English.

Part II—French, German, Tamil, Telugu, Malayalam and Hindi.

Part III—Mathematics, Logic, Indian History, Ancient History, Modern History, Drawing, and Music (Indian and Western).

B.A.—Part I—English.

Part II—French, German, Tamil, Telugu, Malayalam, and Hindi.

Part III—Group (iv-b)—Economics and History.

* These Colleges are also affiliated under Arts and Science courses.

† On an Inter-Collegiate-University co-operation basis

(6) *Vivekananda College, Madras.*

Intermediate—Part II—Hindi.

B.A.—Part III—Geography (Main) with Economics (Subsidiary).

*B.A. (Hons.) and B.Sc. (Hons.)—Geography.

(7) *Government Arts College, Anantapur.*

B.Sc.—Part I—Telugu.

(8) *Government College, Coimbatore.*

B.A.—Part III—Group (iv-b)—Economics and History.

B.O.L.—Part I—English.

Part II—Group (ii-d)—Tamil.

(9) *Nirmala Women's College, Coimbatore.*

Intermediate—Part I—English.

Part II—French, Tamil, Malayalam and Hindi.

Part III—Mathematics, Natural Science, Logic, Indian History, Modern History, and Indian Music.

(10) *P.S.G. Arts College, Peelamedu (Coimbatore).*

Intermediate—Part I—English.

Part II—Tamil.

Part III—Mathematics, Physics, Chemistry, Indian History, Modern History, and Elements of Commerce and Accountancy.

(11) *Government College, Cuddapah.*

Intermediate—Part I—English.

Part II—Telugu and Urdu.

Part III—Psychology, Indian History, Ancient History and Modern History.

(12) *Maharajah's College, Ernakulam.*

B.Sc.—Part II—Statistics (Subsidiary).

B.Sc. (Hons.)—Chemistry (Main) and Physics (Subsidiary).

* On an Inter-Collegiate-University co-operation basis.

- (23) *Sacred Heart College, Thevara (Ernakulam).*
Intermediate—Part II—Syriac.
B. A.—Part II—Syriac.
- (24) *Holy Cross College, Trichinopoly.*
Intermediate—Part II—Hindi.
B. A.—Part II—Hindi.
- (25) *St. Joseph's College, Trichinopoly.*
Intermediate—Part II—Hindi.
B. A.—Part II—Hindi.
B. Com.—Part I—English.
Part II—French, Tamil and Hindi.
Part III—Compulsory Subjects and Optional Subject—Co-operation.
- (26) *Sree Kerala Varma College, Trichur.*
Intermediate—Part I—English.
Part II—Sanskrit, Malayalam and Hindi.
Part III—Mathematics, Logic, Ancient History, Modern History, Elements of Commerce and Accountancy, Indian Music and Group D 2(a) Vidvan—Sanskrit and Malayalam; 2(b) Vidvan—Malayalam and Sanskrit.
B. A.—Part I—English.
Part II—Sanskrit, Malayalam and Hindi.
Part III—Group (i-b)—Mathematics.
Group (i-c)—Statistics.
Group (iv-a)—History and Economics.
Group (iv-b)—Economics and History.
Group (v)—Malayalam with Sanskrit (as related language).
Group (vi)—Indian Music.
B. O. L.—Part I—English.
Part II—Group (ii-b)—Malayalam (Main) and Sanskrit (Subsidiary).
B. Com.—Part I—English.
Part II—Malayalam and Hindi.
Part III—Compulsory Subjects and Optional Subject—Transport.

- (27) *St. Mary's College for Women, Tuticorin.*
Intermediate—Part I—English.
Part II—Tamil.
Part III—Logic, Ancient History and Modern History.
- (28) *Voorhees College, Vellore.*
Intermediate—Part III—Indian History.
- (29) *St. Christopher's Training College, Madras.*
B. T. (E)—Methods of Teaching—Tamil.
- (30) *College of Engineering, Anantapur.*
B. E.—Civil, Mechanical and Electrical Engineering Branches.
- (31) *Oriental College, Pulikkal (S. Malabar).*
Oriental Title Courses—Entrance Test and Afzal-ul-Ulams Courses.
- (32) *Sanskrit College, Sriperumbudur.*
Oriental Title Courses—Vedanta Siromani (Visishtadvaita) Course.
- (33) *Sri Venkateswara College, Tirupati.*
Oriental Title Courses—Vidvan—(a)—Sanskrit and Telugu.

23. **Ethiraj College for Women, Madras:**—In May 1948 the Director of Public Instruction, Madras, forwarded a copy of an Order of Government stating that the Government had decided to lend the buildings and equipment of the Government College for Muslim Women, Madras, to Mr. V. L. Ethiraj for starting a women's college from 1948-49. Mr. V. L. Ethiraj also applied to the University for permission to continue the college under the name 'Ethiraj College for Women' and submitted his proposals regarding the endowment, buildings, etc. The Syndicate considered the whole question and having noted the conditions under which the transfer of management to Mr. V. L. Ethiraj had been made by the Government, resolved that provisional recognition be continued under

certain conditions to the Ethiraj College for Women, Madras for a period not exceeding two years in the subjects and courses of study for which affiliation had already been given to the Government College for Muslim Women, Madras. It has been reported that arrangements are being made for the permanent location and construction of buildings for the college.

24. Veerasaiva College, Bellary—Continuance of Affiliation:—In May 1948, the Syndicate considered the position of the Veerasaiva College, Bellary, in regard to the construction of permanent buildings for the College and also the failure on the part of the Management to conform to many of the conditions stipulated at the time of affiliation, and resolved that the management be informed that the temporary affiliation given had lapsed with effect from April 1948 and that no candidates would be permitted to be admitted in this College in the Junior Intermediate class for the year 1948-49; and that the Syndicate might consider the position afresh should the Management be in a position to satisfy the University that the conditions laid down had been complied with before the 20th June 1948. The Management was accordingly informed.

Subsequently, in view of the assurance from Government of a grant Rs. 50,000 during the year towards the construction of building, and in view of the management's promise to give effect to the conditions stipulated, the Syndicate resolved to grant permission for the college to continue the provisional affiliation for one more year (1948-49).

The further continuance of the affiliation of the college is under consideration.

25. From the beginning of the academic year 1948-49 Carmel College, Trichur which was granted affiliation in

1942, became disaffiliated in the Junior and Senior Classes at the request of the Management consequent on their decision to open a new college in Bangalore under the Mysore University. The Nizam College, Hyderabad, (Dn.) will be conducting the final year Honours and Post-Graduate class during this year and will cease to be an affiliated College of this University from the end of the academic year 1948-49.

26. Applications for further or fresh recognition, affiliation or approval, as the case might be, including applications for permanent affiliation from the Colleges opened in August 1947, with a view to opening classes from the academic year 1949-50, have been received before the 31st October 1948, from over forty institutions. The names of colleges and courses proposed to be opened are printed in **Appendix A**. The applications are under consideration and further information wherever required has been called for.

It will be noticed that besides 28 existing colleges applying for permission to open new and additional courses of studies, applications have been received for fresh affiliation in Arts and Science courses from five new institutions and one application for a new Teacher's Training college.

The Y.M.C.A. College of Physical Education, Saidapet has applied for recognition in the Diploma Course in Physical Education.

27. The B.Com. (Hons.) course was opened in the Loyola College and Pachaiyappa's College in Madras this year and it was throughout understood that the Department of Co-operative Societies, Madras would offer assistance by arranging one of its officers to teach the special subject, Co-operation, and to give practical training but later when the course was actually started in the two colleges, the assistance was not forthcoming in the manner

expected. The matter is under correspondence with the Provincial Government.

28. **Honours courses in Geography:**—In May 1948, the Syndicate considered the question of opening Honours courses—B.A. (Hons.) and B.Sc. (Hons.)—courses in Geography from the academic year 1948-49. As it was unlikely that colleges in Madras would be able to conduct the course individually, it was finally decided that the two colleges *viz.* Queen Mary's College, Madras and Vivekananda College, Madras, which had applied for recognition in the Honours course in Geography and which were already conducting the B.A. Degree course in Geography, might be permitted to conduct the Honours courses on an Inter-Collegiate-University co-operation basis, the three component units sharing the teaching work. Each of the colleges concerned is responsible for teaching English for the Preliminary part and also the Subsidiary subject for B.Sc. (Hons.). The Main portion in Geography is being taught in the University Department by the University staff and a teacher from each of the two colleges. There are altogether 8 students for the B.Sc. (Hons.) course and 4 for B.A. (Hons.) course in Geography during the academic year 1948-49.

29. The Senate adopted at its meeting held in February 1948 the report and recommendations of the General Inspection Commission. These recommendations have been communicated to the colleges and managements for guidance and they have been requested to report how far they have adhered to the recommendations. Their replies have been received and are under consideration. The report has also been forwarded to Government as required under Section 53 of the Act.

30. **Admission to Colleges:**—It was anticipated also this year that there would be a great pressure for admission

to the different Colleges owing to a large increase in the number of students that sat for the Secondary School Leaving Certificate Examination in March 1948. A circular was sent to the Principals of Colleges in Arts and Science requesting them to report as to the number of extra students that could be admitted in each College taking into consideration the accommodation, the teaching staff, the equipment and other facilities available. Permission to admit an increased number was granted in as many cases as possible and the actual number that could be permitted in each college was communicated to the Principals of the colleges concerned. The additional number thus permitted was about 600 in Science subjects and 400 in the Humanities.

The number of students admitted in July 1948 in the Junior Intermediate class was 12,258. The corresponding number in 1941 July was 7,520, in 1944 July 8,500, in 1945 July 9,080, in 1946 July 10,750 and in 1947 July 11,860. The number of students admitted to the newly opened colleges which were granted affiliation this year was 230 in Intermediate, 28 in B.A., 106 in B.Sc. and 93 in B. Com. Courses.

During the academic year 1948-49 the total number of students undergoing courses in Arts and Science is about 32,675 including 1,148 students undergoing B. Com. Course. The number undergoing professional courses is as follows:—Law 770; Medicine 2,120; Engineering 968; Agriculture 276; Veterinary Science 343; Teaching 460; (B. T. 450; M. Ed. 10); Technology 77; Nursing 38 and in Diploma Classes (conducted in the University) 229.

31. **Admission of Women Students:**—The pressure for admission of women students continued to be great as usual. Permission was granted for admission of increased numbers of women students both in women's colleges and

in men's colleges. The number of women students studying in women's colleges was about 3,384 and in co-educational institutions 2,215.

32. Hostels:—Increased provision for hostel accommodation has been made in several colleges. Out of a total number of about 37,650 students, 14,079 are reported to be residing in College hostels or approved hostels and about 2,000 in lodgings approved by College authorities and the rest with their parents, relatives or guardians.

33. Reorganization of Oriental Colleges:—In January 1948 the Syndicate considered a reference from the Government of Madras regarding the matter of re-organization of Oriental Colleges and appointed a Special Committee to report on the reference. The Special Committee had a full discussion on the subject and made certain recommendations to the Syndicate. The Syndicate finally considered the recommendations of the Committee and resolved as follows:—

- (1) that it is not desirable to change the present standard of the Entrance Test for Oriental Titles, or the Entrance Test to the University for Intermediate Group D;
- (2) that Part II of the Intermediate should be treated as a general language test and does not permit of its being utilised for a higher course like B.O.L.;
- (3) that the subject "Social Studies" as it has been elaborated in the re-organization scheme for the Secondary School course should find a place in the studies for the Oriental Titles, and in consequence in the studies for B.O.L. and B.O.L. (Hons.). The exact syllabus for these studies will have to be prepared

separately, and it is important that proper books on the subject in the languages concerned be available.

- (4) The steps that are being taken in the University with regard to conditions of affiliation of Oriental Colleges are calculated ultimately to bring about improvement in the organization of these colleges. The process must be gradual and it is expected that in course of time the Oriental Colleges will function as efficiently as other Colleges.
- (5) The opening of Oriental Departments in the existing Constituent and Affiliated Colleges should be actively encouraged. There are at present two Colleges which have established such departments, and with a view to encouraging the opening of such departments, the Syndicate feels that generous grants based upon a different system of calculation should be given by Government if such Oriental Departments are to come into existence in the Constituent and Affiliated Colleges. The chief impediment to the opening of these Departments is the fact that the students are not in a position to join these courses unless a generous scheme of scholarships is simultaneously instituted. The Syndicate would therefore recommend that scholarships and in some cases to encourage the right type of pupils to take to the study, allowances for boarding and lodging should also be made available.
- (6) It is desirable to restrict the granting of exemption from the production of attendance certificates for the Oriental Title Examin-

ations, with a view to encouraging the study of languages in institutions approved by the University, and such concession should be curtailed in such languages where a sufficient number of Colleges are available.

These resolutions have been communicated to the Director of Public Instruction, Madras.

34. Universities Commission:—In November 1948, the Secretary to the Government of India, Ministry of Education issued a communique stating that the Government of India had appointed a Universities Commission for the purpose of enquiring into and reporting on the condition and prospects of University Education and advanced research in India and recommending a constructive policy in relation to the problems they present and the needs of the country. The Commission has also been empowered to enquire into the structure and working of all the Universities of India and to visit institutions of higher education and research whether official or non-official and consider and make recommendations.

The members of the Commission are :—

Dr. S. Radhakrishnan (*Chairman*).

Dr. Tara Chand, Secretary to Government, Ministry of Education, New Delhi.

Dr. A. Lakshmanaswami Mudaliar, Vice-Chancellor, Madras University.

Dr. Meghnath Saha, Professor, Calcutta University.

Dr. Zakir Hussain, Vice-Chancellor, Aligarh Muslim University.

Dr. K. N. Bahl, Professor, Lucknow University.

Dr. J. E. Duff, Vice-Chancellor, Durham University.

Dr. A. E. Morgan, formerly Chairman of the Tennessee Valley Authority, U.S.A.

Dr. J. J. Tigert, formerly President, Florida University, U.S.A., and

Prof. N. K. Sidhanta, Professor, Lucknow University (Secretary Member).

An exhaustive questionnaire was issued by the Commission and the Syndicate has sent its replies to the same. The Commission visited the Madras University in the month of December and met and had discussions with several persons including the Principals of Colleges in Madras and Tambaram, members of the Syndicate and Teachers of the University.

35. Working days in Colleges:—The Director of Public Instruction, Madras, invited the views of the University on the desirability of having an increased number of working days in colleges. He was informed that the Syndicate has at present prescribed that the number of working days for an academic year in the Junior and Senior classes be 150 and 140 respectively except in the case of colleges having U.O.T.C. Contingents, where it may be 10 days less and that there seemed to be no necessity for revision.

36. Aided Colleges—Advisory Committees:—A copy of a Government Order (G. O. No. Mis. 904 Edn. dated the 2nd March 1948) advising Managements of aided Colleges to constitute Advisory Committees with the Principal of the College as Convener and with certain definite duties including the framing of rules for admission of students consistently with the rules laid down by Government in this regard was received by the University in March 1948. The Syndicate informed the Government that it was of opinion that the formation of such Advisory Committees was not conducive to the smooth and efficient working of the Colleges; and that the University had full cognisance of the working of Colleges and was the proper body that should hold itself responsible for

their efficient working; and that in the opinion of the Syndicate, in view of the present trends, such Advisory Committees would lead to difficulties in the management and the maintenance of discipline in the Colleges.

The Government in a further G. O. in October 1948 stated that they had carefully considered the question of the necessity for Advisory Committees for aided Colleges in view of the representations made by the Andhra and Madras Universities, and had decided that the orders issued in the G. O. in February 1948 need not be reconsidered; and that they would however watch the working of the system for some time and review the question later.

VI. COURSES OF STUDY AND EXAMINATIONS.

37. Admission to University Courses :—A pass in the Matriculation Examination of the University or of any other University accepted as equivalent thereto or eligibility on the results of the S.S.L.C. or the E.H.S. Examination of the Province or the Entrance Test conducted by any other recognised University or Board accepted by the Syndicate, continued to be the qualifying test for admission to the Intermediate classes.

38. S.S.L.C. and E.H.S. Examinations—Eligibility:—The Rules for declaration of eligibility to University courses of study on the results of these examinations remained the same as for last year.

The number of candidates who appeared for the S.S.L.C. Examination in Madras and Cochin in 1948 and who were declared eligible was as follows :—

	Madras.	Cochin.	Total.
Number appeared taking subjects required for eligibility for a University course of study.	37,811	5,319	43,130
Number declared eligible.	18,785	3,450	22,235

Of these, 203 were below the age limit fixed for admission to University Courses.

39. The Syndicate approved the proposal of the Government to hold a supplemental S.S.L.C. Examination in September, for a period of three years in the first instance, for the benefit of failed and other private candidates and published the list of candidates who appeared for the supplemental examination and become eligible under the Laws. The examination was held in October this year. It will be conducted in September in future.

The number that appeared for the examination (taking subjects eligible for a University course of study) and the number declared eligible were 7,061 and 2,676 respectively.

Similarly a supplemental S.S.L.C. Examination was held by Cochin State in November 1948 for the benefit of the failed candidates. 293 candidates appeared for this supplemental examination, taking the subjects qualifying for eligibility, out of which 164 candidates were declared eligible for admission to University courses of study.

The number of candidates declared eligible for a University course of study on the results of the European High School Examination (*i.e.* who passed the examination) was 292 in Madras and 131 in Bangalore.

40. Examinations :—(1) The examinations were as usual held at the several centres notified.

(2) The following statement gives information in brief of the number of candidates that appeared for and passed in the examinations and the number that qualified for the

Degrees, Titles and Diplomas of the University during the year :—

Examination.	No. Examined.		No. Passed.		No. qualified for Degree or Title or Diploma.	
	March/July.	Sept./Dec.	March/July.	Sept./Dec.	March	Sept.
Matriculation	1,614	...	432	...	...	...
Intermediate	...	...	...	...	...	...
" (Part I only— for admission to B.O.L.)	10,731	5,236	5,128	1,674	...	...
B.A.—Part I	2,196	549	1,796	193	1,518	527
B.A.—Part II	2,093	405	1,856	307		
B.A.—Part III	2,489	818	1,683	398		
B.A. (War)	...	...	...	...		
B.Sc.—Part I	38	40	32	34	32	34
B.Sc.—Part II	1,312	497	784	292	706	164
B.A. (Hons.)—Preliminary	1,142	346	744	156		
B.A. (Hons.)—Final	373	88	273	58		
M.A.	254	...	237	...	...	...
B.Sc. (Hons.)—Part I	135	...	112	...	237	...
B.Sc. (Hons.)—Part II (Main)	66	9	56	6	112	...
Do. do. (Subsy.)	92	...	89	...	...	...
B.T.	67	1	67	1	39	...
M.Ed.	436	90	337	70	...	...
F.L.	12	...	11	...	337	70
B.L.	415	83	271	36	11	...
M.L.	265	67	189	34	...	...
Pre-Registration	9	...	1	...	189	34
First M.B. & B.S.—Part I	83	134	75	125	1	...
Do. —Part II	103	193	75	173	...	...
Second M.B. & B.S.—Part I	192	281	121	153	...	...
Do. —Part II	130	151	97	107	...	...
Final M.B. & B.S.—Part I	152	212	102	131	...	...
Do. —Part II	158	141	118	107	...	...
M.D.	215	240	100	108	...	...
M.S.	31	...	6	...	100	108
D.G.O.	16	...	4	...	6	...
D.O.	7	10	2	...	4	...
D.L.O.—Part I	2	6	2	4	2	9
D.L.O.—Part II	3	4	2	2	2	4
T.D.D.	4	3	1	2	...	...
B.S.Sc.—Part I	5	...	4	...	1	2
B.S.Sc.—Part II	12	...	9	...	4	...
B.Sc. (Pharmacy)—Prely.	9	2	7	...	...	...
B.Sc. (Pharmacy)—Final	9	11	8	7	7	...
B.Sc. (Tech.)—Part I	15	6	8	3	...	...
B.Sc. (Tech.)—Part II	42	...	31	...	8	...
...	33	...	23	...	23	...

Examination.	No. Examined.		No. Passed.		No. qualified for Degree or Title or Diploma.	
	March/July.	Sept./Dec.	March/July.	Sept./Dec.	March	Sept.
F.E.—Part I/B.E. I	73/261	7/125	61/128	5/112	...	...
Do. Part II/B.E. II	113/200	33/113	72/185	22/105	...	...
B.E.—Part I/B.E. III	27/161	13/74	12/87	11/72	...	...
Do. Part II/B.E. Final	152/...	8/...	138/...	8/...	138	8
B.E. (Old Regulations)	14	8	...	7	...	7
B.Sc. (Ag.) First Examination.	98	...	80	...	...	...
Do. Second Examination.	102	...	87	...	...	...
Do. Final Examination...	95	...	82	...	82	...
B.V.Sc. (Preliminary.)	96	33	60	28	...	...
Do. (Intermediate Part I)	65	43	21	25	...	...
Do. (Do. Part II)	34	6	29	2	...	...
Do. (Final)	13	6	5	3	5	3
B. Com.—Part I	483	227	242	150	...	...
Do. Part II	273	54	221	32	...	...
Do. Part III	307	171	123	74	120	76
B.O.L.—Part I	22	...	13	...	...	...
Do. Part III	85	...	44	...	24	...
B.O.L. (Hons.)—Part I	9	3	6	1	...	...
B.O.L. (Hons.)—Part II	3	...	3	...	3	...
Oriental Titles—	...	...	...	...	...	...
Preliminary	342	...	242	...	...	...
Final	456	...	356	...	356	...
Entrance Test to Oriental Title	...	...	...	...	...	...
Course	555	...	350	...	...	...
Entrance Test to Intermediate—	...	...	...	...	...	...
Group D course	179	...	73	...	...	...
Sangitha Siromani—Prelimi-	...	...	...	...	...	...
nary.	5	...	4	...	...	...
Do. —Final	2	...	2	...	...	...
Certificate in Modern European	...	...	...	...	...	...
Languages—French	9	...	9	...	9	...
German	18	...	12	...	12	...
Diploma in Modern European	...	...	...	...	...	...
Languages—French	1	...	1	...	1	...
German	5	...	5	...	5	...
Diploma in Geography	9	...	7	...	7	...
Diploma in Indian Music	16	...	14	...	14	...
Diploma in Politics and Public	...	...	...	...	...	...
Administration	6	...	4	...	4	...
Diploma in Statistics	11	...	9	...	9	...
Diploma in Librarianship	5	...	5	...	5	...
Diploma in Journalism	10	...	1	...	1	...
Certificate in Anthropology	3	...	3	...	3	...
Total	29,278	10,547	17,689	4,401	4,640	1,047

(3) Under the War Concession Regulations, the number of candidates that was declared qualified for the Intermediate Certificate, and other Degree Examinations was as follows :—

Intermediate	...	20
B.A.	...	4
B.E.	...	1

41. Malpractice at Examinations :—The Syndicate reports with regret that 22 candidates were reported to have had recourse to unfair means while answering their papers at the examinations held in 1948. After obtaining full particulars from the Chief Superintendents of the Examination Centres or from the Examiners concerned and explanations from the candidates, the Syndicate imposed various punishments cancelling their appearances at the examinations and prohibiting some of them from appearing for any University examination for varying periods not exceeding three years.

42. Higher Research Degrees :—The number of persons who submitted theses for the respective Higher Degrees in Research during the year 1947-48 was as follows :— 7 for M. Litt.; 9 for Ph.D.; 2 for D.Litt.; 14 for M.Sc.; 4 for D.Sc.; and 9 for M.O.L. The Syndicate, on the reports of Boards of Examiners, declared to be qualified for the respective degrees: 6 candidates for M.Litt.; 8 for Ph.D.; (two of the candidates who supplicated for D.Sc. were awarded the Ph.D. Degree); 13 for M.Sc.; 2 for D.Sc.; and 5 for M.O.L.

During the year 18 candidates for M.Litt., 46 candidates for M.Sc., and 31 for Ph.D. have registered for the respective Degrees.

43. Sanskrit Entrance Test :—As in previous years the University published the results of the Sanskrit

Entrance Examination in respect of the students that appeared for the Government examination from the University area and issued the eligible list. The number of students that were declared eligible was 99 for Siromani course and 64 for Vidvan course.

44. Exemption from Attendance Certificates and Recognition of Examinations :—As usual, applications for exemption from the production of attendance certificates for the prescribed course for the various University examinations were received and disposed of, according to rules. The following is the classified list of exemptions granted :—

	College.	Private candidates.	Bona fide Teachers.
Matriculation	...	1,166	...
Intermediate	...	240	25
B.A. (Pass)	...	58	5
B.A. (War)	...	35	...
B.A. (Hons.)	...	1	...
B.Sc. (Pass)	...	12	...
B.Sc. (Hons.)	...	12	...
M.A.	...	...	31
M.D.	...	7	...
M.S.	...	7	...
Diploma in Ophthalmology	...	3	...
Diploma in Gynaecology and Obstetrics	...	4	...
Diploma in Oto-Rhino-Laryngology	...	...	1
Diploma in Tuberculosis	...	3	...
F.L.	...	3	...
B.L.	...	1	...
B.Com.	...	3	...

		<i>College.</i>	<i>Private Candidates.</i>	<i>Bona fide Teachers.</i>
B.Sc. (Tech.)	...	2	...	...
Oriental Titles	...	1	304	67
Entrance Test to Oriental Titles and Intermediate —Group D.	...	2	692	...
Diploma in Journalism	...	...	...	2

The cases shown under the column 'College' comprise students who were granted exemption owing to their failure to keep the necessary percentage of the attendance prescribed by the institutions of which they were students or who were exempted from regular college instruction in the languages in which the colleges have not been affiliated or recognised.

Under the War Emergency Laws, 12 applications from evacuee students for recognition of examinations and for exemption from courses and examinations were granted. 1,313 applications for recognition of examinations of other Bodies and Universities for purposes of higher studies in this University were granted during the year.

45. The Syndicate considered the requests from the authorities of the newly incorporated Universities of Rajputana and East Punjab for the recognition of the examinations and degrees of the respective Universities as equivalent to those of this University for purposes of pursuing higher courses of studies and resolved to recognise them, so long as the courses leading to these examinations and degrees conformed to those of Agra and the Punjab Universities to which the Colleges in these areas were previously affiliated.

46. **Refugee Students—Concessions:**—The Syndicate considered the question of granting concessions to refugee students from disturbed areas in North India and

elsewhere, and resolved that the following alterations in the Laws empowering the Syndicate to dispense with a strict compliance with the Laws in regard to admission to courses of studies or attendances at courses of this University in the case of refugee students be placed before the University Authorities.

At its meeting held on the 20th February 1948, the Academic Council considered the matter and expressed its opinion in favour of the proposed amendments to the Laws.

That the following be *added* at the end of Statute 2 of Chapter XII—The Syndicate—Vol. I, Part I, Calendar, 1945-46, page 226:—

“(2-2) Notwithstanding anything that may be contained to the contrary in the Laws of the University, it shall be competent for the Syndicate, with regard to students whose courses of studies are shown to the satisfaction of the Syndicate to have been interrupted owing to disturbed conditions in certain Provinces in the year 1947, to dispense with a strict compliance with the Laws, as may be decided in each and every case, in regard to admission to courses of studies or attendance at courses of this University or such other conditions as may be laid down in the Laws.”

Similar provision was also made in the form of Regulations and Ordinances in the appropriate places.

The Syndicate also, in response to a letter from the Ministry of Education, Government of India, decided that in the case of refugee students, examination fees only be levied and no other University fee be collected.

47. Re-organisation of Secondary Education :—At the beginning of this year the Government, in communicating certain recommendations made by the Advisory Board for Secondary and Technical Education, invited the views of the University on the following recommendations in connection with the proposed re-organization of Secondary Education :—

- (1) That the teaching of the optionals in High School classes may be abolished.
- (2) (i) That the regional language should be the compulsory first language.
- (ii) That English should be taught compulsorily from Form II to Form VI.
- (iii) That provision should be made for the teaching of Hindustani in Forms I to III; and
- (iv) that pupils may choose between Hindustani or a foreign or a classical language in Forms IV to VI in addition to the regional language; and
- (3) that Domestic Science (Home Craft) should be compulsorily taught in all High Schools for girls.

The Syndicate resolved that the Secretary to Government be informed as follows:—

- (1) The Syndicate is agreeable to the abolition of optional subjects in the High School classes.
- (2) The Syndicate is of opinion that two languages should be studied compulsorily in the school, one of which shall be the regional language or mother tongue and the other English. Provision should be made compulsorily in

all schools for at least one third language which shall be Sanskrit, Hindustani, Arabic, Persian or Urdu.

For all such pupils as take a third language, the instruction in the regional language or mother tongue should be curtailed and limited to the needs of the language to be used as a medium of instruction, and there should be an examination in the third language in the scheme of examination at the end of the Secondary School stage.

English should preferably be taught from Form I; and

- (3) the Syndicate is agreeable to the proposal for Domestic Science (Home Craft) being made a compulsory subject in all High Schools for girls.

Later, after the passing of the G.O. on the subject, the Syndicate's views were invited on certain questions relating to eligibility. The Syndicate was of opinion that the full scheme including the syllabuses for the various subjects should be made available before any opinion could be expressed. The full details of the scheme are awaited.

48. Revision of the dates of commencement of examinations, etc.:—The Syndicate considered the question of changing the date of commencement of the Intermediate and other examinations in September, consequent on the discontinuance of the concurrent courses held for the benefit of the candidates who passed the Intermediate Examination in September, and antedating the last date for payment of fees and for receipt of applications for the

Medical Examinations in December, the B.S.Sc. Parts I and II Examinations, the B. V. Sc. Degree Examinations and the Diploma in Statistics Examination, due to lack of sufficient time between the last date for receipt of applications and the date of commencement of Examinations, making it very difficult to arrange for the setting of question papers, in certain cases, and resolved that the dates be revised.

The changes contemplated are the advancing of the dates for receipt of applications for registration by about a fortnight in the case of Intermediate, B.A. and B.Sc. Degree Examinations and of fixing, in certain cases, later dates in January on account of Pongal holidays. It was also resolved that the second examinations in Arts and Science held in September be fixed to commence by the middle of September. Proposals for the amendment of the Ordinance were placed before the appropriate Authorities of the University.

At its meeting held on the 10th September 1948, the Academic Council considered the revised Ordinance placed before it for an expression of opinion and resolved to refer the matter back to the Syndicate for reconsideration. The Syndicate considered the further action to be taken on the matter and resolved that the opinions of the Principals be obtained on the matter, and that the same be referred to a Special Committee. Replies have been received from the Principals of 81 out of 98 Colleges (including Oriental Title Institutions), and the matter is under the consideration of the Special Committee.

49. Introduction of Indian Painting in the University Courses of Studies:—Indian Painting has been introduced as a subject of study in the Intermediate and B.A. Degree Courses, and the Regulations governing the Intermediate and B.A. Degree Courses have been suitably

modified making provision for the study of Indian Painting as an optional subject under Part III—Group C—of the Intermediate Examination and under Part III of the B.A. Degree Examination as Group (x).

50. Course in Public Health Engineering:—In September 1947, a communication was received from Government inviting attention to the suggestions of the Bhore Committee regarding training of Public Health Engineers, as also to a letter from the Principal, College of Engineering, Guindy to the Director of Public Instruction, Madras, on the question of the inclusion of Public Health Engineering as a branch of study for the B.E. Degree. An Expert Committee was appointed to consider the whole question. The Committee recommended that a Degree Course in Public Health Engineering be instituted, and submitted detailed syllabuses, scheme of examination, etc., for the proposed course. The recommendations of the Committee have been approved by the Syndicate; further action in the matter has, however, been deferred pending receipt of the report of the Government of India on the Bhore Committee's recommendations, as also the proposed revision of the course of study for the B.E. Degree.

51. Re-organization of Commercial Education:—The question of the reorganization of Commercial Education in the University, by giving more emphasis to the practical aspect of the training imparted, has been engaging the attention of the Syndicate. A communication has also been received from the Director of Public Instruction, Madras, inviting the opinion of the University on the question. The subject has been referred to a Special Committee for consideration and report.

52. Improving the teaching and status of Physiology in Colleges:—In February 1948, Government forwarded to the University a copy of the recommendations

of the Central Advisory Board of Education on the subject of raising the standard of teaching and status of Physiology in Educational Institutions. The Syndicate considered the memorandum, and has appointed a Special Committee to consider how best a scheme can be evolved to promote the teaching of Physiology in the Medical Colleges and to permit Medical students to acquire a Degree in Physiology.

53. Moral and Religious Instruction in Colleges:—

At its meeting held in February 1948, the Academic Council referred the following resolution to the Syndicate for full consideration in all its aspects:—

“Resolved that, in view of the admittedly important place that Religion and Morals hold in a scheme of Liberal Education, a representative Committee be appointed to consider ways and means to minister to the needs of Moral and Religious Instruction in Colleges affiliated to the University.”

The Syndicate has appointed a Special Committee to go into the question; the report of the Committee is awaited.

54. B. L. Degree Course—Question of Revision:—

At its meeting held in November 1947, the Senate resolved that the following resolution be referred to the Board of Studies in Law for consideration and report:—

“That the Academic Council be requested to revise the curriculum for the B.L. Degree course by including the Laws of Civil and Criminal Procedure, Limitation, Insolvency, and Company Law, in the course of study in consultation with the Board of Studies”.

The Board of Studies in Law considered the reference at its meeting held in January 1948 and resolved that it could not consider the addition of any new subjects

to the existing Law course of two years, and that as some of the subjects proposed to be added were prescribed as subjects of study for the course of apprenticeship which was under the control of the Bar Council, no further proposals could be made by the Board without reference to the Bar Council. The Bar Council which was addressed on the matter expressed the opinion that the present system might continue, that no more subjects should be added for the 2 years' course of the B.L. Degree Examination, and that the question of the inclusion of the subjects among those prescribed for the Bar Council Examination would be considered by a Committee appointed to consider what improvements could be made in the apprentice course. The Bar Council's report has been communicated to the Board of Studies in Law for a final report on the reference from the Senate.

55. Diploma in Physical Education:—At its meeting on the 14th February 1946, the Academic Council adopted the following resolution:—

Resolved that it be a request to the Syndicate to appoint a Committee to formulate a scheme to make Physical Education an integral portion of the scheme and syllabus of University Education.

At its meeting held in March 1946, the Senate resolved to refer the following resolution to the Committee proposed to be appointed:—

Resolved that a Degree in Physical Education (B. P. Ed.) be instituted in the University.

The Syndicate appointed a Special Committee to consider the question and the Committee recommended that, as an initial step, a Diploma Course in Physical Education be instituted in the University and that the course be open only to graduates. The course recommended

is a full-time one extending over one academic year, consisting of the following subjects:—

- (1) Organisation and Administration of Physical Education.
- (2) Principles and Philosophy and History of Physical Education.
- (3) Health Education, First aid and Safety Education.
- (4) Anatomy, Physiology and Hygiene,
- and (5) Rules of Games, Coaching, etc.

The Academic Council and the Senate have approved the recommendations and the necessary Regulations have been adopted. The Y. M. C. A. College of Physical Education Saidapet, has, as already referred to in the report, applied for recognition of the college to conduct the course for the Diploma from the academic year 1949-50.

56. **Medium of Instruction:**—Communications were received both from the Central and the Provincial Governments regarding the medium of instruction in schools and colleges. These communications have been referred to a Special Committee. The Syndicate will consider the Special Committee's recommendations when received, and after consideration may place the same before the other Authorities of the University. The subject has also been considered by the Universities Conference held recently.

VII. CONVOCATIONS.

57. Three Convocations for conferring Degrees on Graduates were held during the year on the 19th February, 24th and 25th August 1948 respectively. H.E. the Hon'ble Lt. General Sir Archibald Edward Nye, G.C.I.E., K.C.B., K.B.E., M.C., Chancellor of the University presided

over the Convocation held on the 24th August 1948. At the Convocations held on the 19th February and 25th August 1948 the Vice-Chancellor presided. His Excellency Shri Chakravarti Rajagopalachari, B.A., B.L., LL.D., Governor-General of India delivered the Convocation Address on the 24th August 1948.

The number of persons that took their degrees is given below :—

	Men	Women	Total
B.A.	1,136	265	1,401
	55	...	55
B.A. (Hons.)	155	38	193
B.Sc.	526	52	578
B.Sc. (Hons.)	74	7	81
M.A.	184	28	212
B.L.	168	1	169
M.L.	1	...	1
M.B.B.S.	140	44	184
M.D.	3	1	4
M.S.	5	...	5
B.Sc. (Pharm.)	8	...	8
B.E.	83	1	84
B.T. & L.T.	190	90	280
M.Ed.	7	2	9
B.Sc. (Ag.)	39	...	39
B.V.Sc.	6	...	6
B.Sc. (Tech.)	19	...	19
B.Com.	102	1	103
B.O.L.	13	...	13
B.O.L. (Hons.)	8	...	8
M.O.L.	1	...	1
Ph.D.	6	...	6
M.Litt.	5	...	5
M.Sc.	9	2	11
Total	2,943	532	3,475

The Academic Titles and Diplomas were awarded at a special meeting of the Senate held on the 26th November 1948 to 296 candidates.

VIII. TEACHERS AND RESEARCH DEPARTMENTS.

58. The question of improvement of salaries of the Teachers in the University and providing equal opportunities for promotions to teachers in different Departments was engaging the attention of the Syndicate for some time past and the undermentioned proposals of the Syndicate were approved by the Senate in consultation with the Academic Council:—

- I (a) That the salaries of the following grades of University Teachers be revised as follows:—
- (i) Junior Lecturers ... Rs. 150-10-250.
 - (ii) Senior Lecturers ... Rs. 200-15-350-20-450-25-500.
- (b) That for the purposes set forth below the University Departments be divided into four categories:—
- (i) Science Departments.
 - (ii) University Alagappa Chettiar College of Technology.
 - (iii) Oriental Research Institute.
 - (iv) All other Arts Departments.
- (c) *Science Departments*:—That no change be made in the Science Departments.
- (d) *University Alagappa Chettiar College of Technology*:—That the Senior Lectureships held by Mr. V. S. Jayaraman (General Engineering) and Mr. A. P. Madhavan Nair (Applied Chemistry) be converted into Readerships.

(e) *Oriental Research Institute*:—That excluding the Department of Tamil, out of the remaining five Departments (Sanskrit, Telugu, Malayalam, Kannada and Islamic Languages), the head of one may be promoted to a Professorship and the heads of two others may be promoted to Readerships subject to the proviso that the head of the Sanskrit Department shall not at any time be in a grade below that of a Reader.

(f) *All other Arts Departments*:

- (i) That Psychology be a separate Department.
- (ii) That excluding the Departments of Economics and Indian History, out of the remaining eight Departments (Mathematics, Politics and Public Administration, Indian Philosophy, Psychology, Geography, Statistics, Indian Music and Anthropology), the head of one may be promoted to a Professorship and the heads of three others may be promoted to Readerships subject to the proviso that the heads of the Departments of Mathematics and of Politics and Public Administration shall not at any time be in a grade lower than that of a Reader.

(g) (i) That where a Readership or Senior Lectureship has been permanently instituted for the headship of a Department and where the holder of that office is promoted to a higher grade in accordance with the above scheme, the Readership or the Senior Lectureship, as the case may be, shall be held in abeyance.

(ii) That consequent on the above reorganization, it will not be necessary, in most cases, to grant the personal allowance which is now given after a person has drawn for five years the maximum salary of his grade and that the salaries of the existing teachers be fixed in the new grades taking into account their present salary, personal allowance, etc.

(h) That the above proposals be given effect to from the 1st April 1948.

(i) That a special request be made to Government for grant of additional funds required for the creation of the Professorship and Readerships in the Oriental Institute.

II (i) That clause (b) of the second paragraph of Statute 6 of Chapter IX of the Laws of the University (adopted by the Senate at its meeting held on the 9th November 1945) be *deleted* and the following *added* as the third paragraph:—

“Notwithstanding anything contained in the foregoing, it shall also be competent for the Syndicate to promote on a subsequent date to the higher grade of Professor or Reader, any one who was originally appointed in a lower grade, provided such Professorships or Readerships have been instituted by the Senate after consulting the Academic Council, in order to be available for promotion of Teachers belonging to a specified category of University Departments.”;

and (ii) that Statute 8 of Chapter IX, Vol. I, Part I, Calendar, 1945—46, page 184, be *deleted*.

59. With the endowment amounting to Rs. 54,000/- made by Miss T. Lazarus, Retired Inspectress of Schools, for founding a Chair in the name of her father, in the Tamil Department and with the additional recurring grant from the Government it was possible for the Syndicate to propose the conversion of the Readership in the Tamil Department to a Professorship. This was accepted by the Senate at its meeting held on the 26th November 1948 and this Professorship will be called “The Rev. Dr. Lazarus Professorship of Tamil.”

60. The question of reviewing the work of the Departments since 1938 by Expert Committees is engaging the attention of the Syndicate.

61. (i) The following Teachers left the University service either on securing other appointments or by retirement:—

Dr. M. Damodaran, Director, Biochemistry Laboratory.

Sri V. Venkatarajulu Reddiar, Junior Lecturer in Tamil.

Sri T. V. Desikachari M.Sc., Temporary Junior Lecturer in Botany.

Sri C. Sivaraman, M.A., Research Assistant in Biochemistry.

Sri Valadi Krishna Ayyar, Vocal Assistant in Indian Music.

(ii) The following new appointments were made during the year:—

Dr. B. B. Dey, Ag. Director of Biochemistry Laboratory.

Sri M. Arokiyaswami, M.A., Ph.D., Lecturer in Indian History.

Sri A. Narayanaswami, B.Sc., Research Assistant in Biochemistry.

Sri K. C. Chandrasekharan, B.Sc. (Hons.), B.Sc. (Tech.), Demonstrator, A. C. College of Technology.

Sri K. Rajabather, Tanning Instructor, A. C. College of Technology, Leather Section.

Sri V. Raghavan, M.A., Ph.D., Senior Lecturer in Sanskrit.

Sri S. Subramania Sastri, B.O.L., Junior Lecturer in Sanskrit.

Sri M. Varadarajan, M.O.L., Ph.D., Senior Lecturer in Tamil.

Sri B. R. Purushothama Naidu, Vidvan, Junior Lecturer in Tamil.

Sri K. N. Nilakanta Ayyar, Vocal Assistant in Indian Music.

(iii) The term of appointment of the undermentioned officers have been extended up to 30th April 1949:—

Sri L. A. Krishna Ayyar, M.A., Lecturer in Anthropology.

Sri K. Ramakrishnayya, M.A., Senior Lecturer in Telugu.

Mr. Muhammad Hussain Mahvi, Junior Lecturer in Urdu.

(iv) Applications have been received for the post of Director, Bio-Chemistry Laboratory. The appointment of an Expert Committee is under consideration of the Syndicate.

(v) Dr. T. S. Sadasivan, Director, University Botany Laboratory, who was in the grade of Reader was promoted

to the grade of Professor. Dr. M. A. Govinda Rao, Reader in the Alagappa Chettiar College of Technology who has been acting as Professor has been made permanent as Professor and continues to act as Director of the College.

(vi) Sri K. Seshachalan Choudary has been appointed Assistant Director (*Planning*) of the Central Leather Research Institute, Madras from the 27th November 1948. He continues after that date to be the Honorary Professor of the University but without any honorarium.

(vii) Dr. T. M. P. Mahadevan, Head of the Department of Philosophy, proceeded to America on one year's study leave.

62. The reports on the work of the several Research Departments are given in **Appendix B**.

The main themes of research and study undertaken by the Teachers in the Departments related to the subjects stated below :—

Indian Economics :

1. National Budgets in relation to Planning.
2. Finance of the Government of India since 1937.
3. The ~~Tap~~ Structure of India.
4. Agricultural Planning for Madras.

Indian History and Archaeology :

1. Gupta Polity.
2. Kural—Translation and Transliteration.
3. South Indian Polity through the ages.
4. The History and Spread of Christianity in South India.

Politics and Public Administration :

'Organisation and Methods' branch of Governmental Reorganization with special reference to India.

Geography :

1. Wheat in India.
2. The Land of South India.
3. A Study of the Economic Geography of the Mica Industry in India.
4. Cement Industry in India.

Indian Philosophy :

1. The Philosophy of Advaita according to Suresvara.
2. An examination of the criticisms against the doctrine of Maya.

Psychology :

1. Studies in Abnormal Psychology.
2. Mental Hygiene with reference to School Children.
3. Psycho-analytical study of Wit and Humour in Malayalam Literature.

Mathematics :

Topology; Tensor Calculus, Foundations of Geometry; Distributive Lattice.

Statistics :

1. Analysis of Time-series with reference to Cyclical variations.
2. Testing of hypothesis.
3. Current Economic problems involving statistical analysis.

Botany :

1. Physiology of Parasitism with special reference to soil conditions and the production of wilt diseases in plants.
2. Survey of hosts and carrier insects in Plant Viruses with special reference to South Indian Virus diseases of economic crops.
3. Study of the Marine Algae of South Indian Coast.
4. Study of Fresh water Algae of South India.
5. Inorganic nutrition of Hybrids of Okra and Brinjal with special reference to healthy and virus-infected plants.
6. Insect and Fungal infections of some Millets and study of the resistant varieties of the latter.

Biochemistry :

1. The chemical constitution of shark-ray collagen.
2. Large scale preparation of amino-acids from slaughter house waste—Preparation of tryptophane from blood fibrin and its estimation.
3. Protein and other nitrogenous constituents in oil seeds.
4. Nutritional aspects of blood regeneration.
5. Kidney proteins in hypertension.
6. Fat metabolism.
7. Chemical and microbiological determination of choline in Indian food-stuffs.
8. Microbial enzymes.
9. Preparation of hexokinase from animal tissues.
10. Utilization of liver residues from shark liver oil for the preparation of anti-anaemic principles.

Zoology :

1. Copepods parasitic on Madras Fishes.
2. Isopod parasites.
3. Anatomy and life-history of a few Acanthocephala.
4. The biology of Ptychoderae flava.
5. The foraminifera of Madras coast.
6. The digestive system of some fishes.
7. The feeding habits of a few common fishes of Madras.
8. The biology of the edible crab.
9. The copepods of Madras plankton.
10. The nephridia of some tube dwelling and estuarine polychaets.
11. Fat contents of some fishes.
12. The Amphipods of the Madras coast.
13. Studies on Gastropods.

Chemical Technology :

1. Fluidisation of granular solids.
2. The kinetics of absorption of CO₂ gas by alkaline solutions.
3. Sedimentation analyses with the use of the Super Centrifuge.
4. Studies in the Dehydration of castor oil.
5. Solid phase reaction at high temperatures.

Anthropology :

1. Kerala Past and Present.—1. The Prehistoric Archaeology of Kerala.
2. Coorg Tribes and Castes.

Sanskrit :

1. History of Vedic Literature.
2. A history of classical Sanskrit Literature.
3. Translation of Sangitaratnakara.
4. Edition of Maharana Kumbha's Sangitaraja.
5. Studies on many works on Vedic exegesis, relating to metre.
6. Study of Bharata's Rasa system and Aristotle's Poetics.
7. Edition of Anandaranga Champu.
8. Amaramandana with critical introduction, etc.
9. Edition of Brihati of Prabhakara.
10. Edition of Khanda Deva's Bhatta Deepika.

Tamil :

1. Contribution of European Scholars to the Tamil language and literature—In this study (1) Father Beschi (Veeramamunivar), (2) Dr. G. U. Pope have been taken up.
2. Critical notes of Pattupattu.

Telugu :

1. A comparative study of the Root material in Telugu.
2. A study and analysis of the language of the inscriptional and literary works of the first Quarter of the 2nd millennium A.D.
3. Yerrapragada.
4. Lives of Telugu Poets from 1350-1500 A.D.
5. History of Dvipada Kavyas in Telugu Literature.

Malayalam :

1. Nayars and their Institutions.
2. Snake Cult.

3. Folk Arts and Literature.
4. History and Development of Humour in Malayalam.

Kannada :

1. Desi Element in Kannada.
2. Rukmangada Charita.
3. Mangabhidhana by Abhinava Mangaraja.
4. Haridasa Sahitya.
5. Yakshagana Sahitya in Kannada.

Arabic, Persian and Urdu :

1. Arabic and Persian words in the Tamil Language.
2. History of Islam in South India.
3. Seydakkadi—Varalaru.
4. Tarik-i-Shah Jahan.
5. Waqai-i-Saltanat-i Muhammad Shah.
6. Dalilush-Shura by Mohammad Mohdi Wasi Maduasi.

Indian Music :

1. Murchanakaraka malas.
2. Mudras in musical compositions.
3. History of some ragas.
4. Dictionary of South Indian Music and musicians.

63. Research Fellows:—Fellowships were awarded to the undermentioned five persons on the recommendation of the Boards of Studies and the respective supervisors:—

1. Mr. J. A. Ambasankar—Mathematics.
2. Mr. V. Venkat Rao—Politics and Public Administration.

3. Mr. T. E. Shanmugam—Psychology.
4. Sry. L. Yogeswari—Botany.
5. Mr. R. Sukumaran Kartha—Chemistry (at the Maharajah's College, Ernakulam.)

Messrs. J. A. Ambasankar and V. Venkat Rao are holding the Fellowships for a second year. Mr. Ambasankar resigned the Fellowship in October 1948 on securing an appointment elsewhere.

64. Studentships:—20 students are continuing for a second year. Fresh studentships were awarded to 21 students during this academic year on the recommendation of the Boards of Studies and the respective supervisors.

65. Non-Stipendiary Students:—43 Non-stipendiary students are working in the several Departments of the University; most of the research workers having registered their names for submission of theses for research degrees viz., M. Litt., M.Sc., Ph.D., etc.

66. (i) Other Research Schemes:—The Zoology Department is continuing the two research schemes financed by the Indian Council of Agricultural Research.

1. Fish Eggs and Larve of the Madras Plankton.
2. Marine Prawns.

Two full-time research Assistants are working on these schemes.

(ii) Two Fellows of the National Institute of Sciences of India are working on Algae and Fungi in the Botany Research Laboratory under the supervision of its Director. A scheme of research on 'Cellulose decomposition by soil fungi with special reference to its application in Fermentation Technology' to be worked out at the University Botany Laboratory has been submitted for approval and financial support to the Council of

Scientific and Industrial Research, Delhi. The Indian Coffee Board has offered to award a fellowship of the monthly value of Rs. 125/- and a lump sum grant of Rs. 1,000/- for a period of one year for research on Coffee root diseases in the Botany Laboratory. This has been accepted by the Syndicate on certain conditions suggested by the Director.

(iii) Another research scheme on 'A scientific study of the South Indian Tannage' is being conducted by a Research Assistant under the direction of the Honorary Professor of Leather Technology at the Government Leather Trades Institute. The cost of the scheme has been met from the recurring grant of Rs. 60,000/- made by the Council of Scientific and Industrial Research, Delhi.

(iv) The University has given a grant-in-aid for a scheme of research on 'South Indian Chillies' conducted by Dr. K. R. Venkatasubban, Associate Professor of the Madras Christian College, Tambaram. The work is progressing.

(v) At the request of the Director of Public Instruction, Madras, the Head of the Department of Psychology of the University prepared a scheme of research to establish I. Q. Norms of the Intelligence and Performance Tests for School Children. This has been forwarded to the Director.

67. Opening of new Departments of Research :—

The University Grants Committee of the Central Government has been approached for a grant-in-aid towards the establishment of the following new Departments:—

	Non-recurring.	Recurring
	Rs. *	Rs.
1. Institute of Physics.	16 lakhs	1,25,000
2. Geological Research Institute.	5 lakhs	88,700
3. Department of Constitutional Law.	10,000	30,000
4. Department of Extra-Mural Studies (Adult Education).	10,000	13,000

These schemes have already been approved by the University Authorities, but for want of funds it has not been possible to implement them. If the expected aid is available from the Central Government it may be possible to proceed with these schemes.

At the request of the Secretary, University Grants Committee, Ministry of Education, New Delhi, necessary information to the questionnaire regarding the present position and projects of development of the Departments of Economics, and Politics and Public Administration was furnished. In this connection it was brought to the notice of the Committee that it may be possible to expand the scope and activities of the Departments if some additional grant was made available to the University.

68. University Alagappa Chettiyar College of Technology:—The College is having part of the classes in the Engineering College, Guindy, as in previous years. With the kind permission of the Government of Madras, the Textile Technology and Leather Technology Sections continued to be held at the Government Textile Institute and Leather Trades Institute respectively, at Washermanpet.

317 applications were received for admission to the B.Sc. (Tech.) Degree course in July this year. 40 students were selected for admission by the Vice-Chancellor with the help of a small committee consisting of the Principal, College of Engineering, the Ag. Director of the A. C. College and the Honorary Professors in Textile and Leather Technology. The Orissa Government had deputed one candidate.

The Government of India was pleased to sanction the payment of a capital grant of Rs. 60,000 (Rs. 50,000 for building and Rs. 10,000 for equipment) towards the implementation of the development plan of the College.

The University has accepted the conditions stipulated to reserve: 40% of the seats to students from other Provinces and States and to enhance the number of admissions to the college.

69. Inter-Collegiate Lectures:—As in the previous year, Inter-Collegiate lectures were arranged for Honours and Post-Graduate students by the Teachers of the University and Honours Colleges. Early in the year the Sub-Committees consisting of the Heads of University Departments and Heads of Departments of Honours Colleges drew up tentative schemes of Inter-Collegiate lectures in the respective subjects.

The Syndicate appointed Post-Graduate Councils in the Humanities and Science subjects consisting of the following:—

The Humanities:

The Rev. A. J. Boyd, M.A., D.D., (*Chairman*).
 Sri V. K. Ayappan Pillai, M.A.
 Sri A. Sankaran, M.A., Ph.D.
 Sri M. Varadarajan, M.O.L.
 Sri T. K. Venkataraman, M.A.
 The Rev. F. Basenach, S.J., B.Sc., Ph.D.
 S. A. W. Bokhari Sahib Bahadur, M.A., L.T.

Science:

Sri S. G. Manavala Ramanujam, M.A., Ph.D.,
 Dr. P. S. Srinivasan. (*Chairman*).
 Sri M. V. Sitaraman, M.A., L.T.
 The Rev. L. Yeddanapalle, S.J., M.A., D.Sc.
 The Rev. C. Racine, S.J., D.Sc.

The Councils finalised the schemes submitted by the Sub-Committees and the programme for the academic year 1948-49 were drawn up and communicated to the Principals

of the Colleges and the Professors concerned. The lectures on the whole were very helpful to the students though some difficulty was experienced by them in attending the lectures at distant places. The University paid the actual to and fro train and bus fare to those who attended these lectures. With the co-operation of the Colleges it may be possible to make the scheme more beneficial.

70. The Madras University Journal:—Dr. R. Balakrishna continued to be the Editor of the Humanities Section. The combined January and July number for 1947 was published during the year. Dr. C. P. Gnana-muttu is Editor for the Science Section. After an interval of four years, during which period paper and printing difficulties prevented the publication of the Journal, a number has been brought out in July 1948.

71. Annals of Oriental Research:—Dr. C. Achyuta Menon continued to be the Editor. The publication could not be proceeded with for the last five years for lack of paper and printing facilities.

72. Mackenzie Manuscripts:—Mr. G. Harihara Sastri, Research Assistant, continued to work on the Mackenzie Manuscripts till the expiry of his term of appointment in October. 145 manuscripts in Tamil and Malayalam bearing on historical subjects available in the Oriental Manuscripts Library were studied and summarised. The summaries were arranged under the headings, Local Tracts, Local History and Inscriptions. 845 miscellaneous inscriptions along with Kaifiyats found among them, covering 10 volumes have been edited. 300 inscriptions remain yet to be edited and also the restored copies of Taylor and Brown have to be collated. This work is proposed to be taken up by the Indian History Department with the co-operation of the Language Departments. The Departments of Telugu and Kannada have already taken up

the examination of the manuscripts in Telugu and Kannada respectively. This work is expected to be completed in the near future.

73. Catalogus Catalogorum:—The work on the Catalogus Catalogorum continued to be done in the Sanskrit Department by the Senior Lecturer. The printing of Volume I (380 pages) has been completed. The list of abbreviations, errata, etc., is being completed. Most of the matter for the next letter of the Alphabet has been prepared.

IX. GENERAL AND OTHER MATTERS OF ACADEMIC IMPORTANCE.

74. Appointment of Vice-Chancellor:—As required under the laws, the Syndicate considered the action to be taken with regard to the recommendation to be made to the Chancellor for the appointment of Vice-Chancellor, as the term of office of Dr. Sir A. Lakshmanaswami Mudaliar was due to expire, by efflux of time, on the 20th August 1948. A Special Committee consisting of the following persons was appointed for the scrutiny of nominations, etc. for the election of the panel to be recommended by the Senate :—

Diwan Bahadur T. M. Narayanaswami Pillai.

Diwan Bahadur Sir K. P. Lakshmana Rao.

Sri K. Venkataswami Nayudu, M.L.C.

The usual notification was issued to the members of the Senate calling for nominations. The Committee scrutinized the nomination papers and reported that there was only one name nominated, *viz.* Diwan Bahadur Sir A. Lakshmanaswami Mudaliar, B.A., M.D., LL.D., D.Sc., F.R.C.O.G., F.A.C.S. The Registrar, under the direction of the Syndicate communicated the name of the nominee recommended by the Senate to His Excellency the Chancellor.

In his letter No. 472/48-3 dated the 2nd/3rd June 1948, the Private Secretary to His Excellency the Governor of Madras communicated that the Chancellor has been pleased to appoint Diwan Bahadur Dr. Sir A. Lakshmanaswami Mudaliar as Vice-Chancellor of the University under Section 11 (1) of the Madras University Act of 1923, with effect from the 20th August 1948.

75. The Vice-Chancellor was deputed as a delegate to the Congress of the Universities of the British Empire held from the 19th to 23rd July 1948 at the University of Oxford and the preliminary and informal Conference of the Heads of the Universities in the Commonwealth held at Bristol from the 13th July.

The Syndicate considered the arrangements to be made for exercising the powers and performing the duties of the Vice-Chancellor under Section 11 (2) of the Madras University Act during the absence of Dr. Sir A. Lakshmanaswami Mudaliar and resolved that Sri S. Govindarajulu Nayudu be appointed to act as Vice-Chancellor in an honorary capacity during the period of absence of Dr. Mudaliar out of India. His Excellency the Chancellor approved the arrangement proposed.

Dr. A. L. Mudaliar availed himself of leave from the 22nd June 1948 to the 27th September 1948. He also attended the World Health Conference at Geneva as a member of the delegation appointed by the Government of India.

76. Conferment of Honorary Degree:—The Syndicate proposed, under Section 16, sub-clause 15 of the University Act, to the Senate, at a special meeting convened on the 24th August 1948, that the Degree of Doctor of Laws, *honoris causa*, be conferred on Shri Chakravarti Rajagopalachari, B.A., B.L. The Vice-Chancellor, in moving the proposal stated that the Governor-General of

India, by reason of the eminent services he has rendered to the cause of education and the country in general was most eminently fitted to receive the Doctorate, the highest honour which the University could award. The Senate adopted the proposal and the Honorary Degree was conferred on him at the Convocation held on the 24th August 1948 at 4-30 p.m. The Acting Vice-Chancellor, Sri S. Govindarajulu Nayudu, presented to the Chancellor His Excellency Shri Chakravarti Rajagopalachari for the Doctorate Degree (LL.D.) and spoke of his eminent services to the cause of education and of his attainments and services to the country.

77. **University Act Amendment** :—It was mentioned in the last year's report that the recommendations of the Senate for the amendment of the Madras University Act of 1923 (as further amended) were forwarded to Government. In their order G.O. No. 709 Education dated the 31st March 1948, the Government appointed a Special Committee to go into the matter of amendments to the Act and report. The recommendations of the Committee were forwarded to the University with the request that the views of the University Authorities on the amendments suggested may be obtained and forwarded to the Government. The Syndicate considered them and placed its recommendations before the Senate at a special meeting held on the 26th November 1948. The Senate had resolved to consider the question after obtaining the views of the Academic Council. The matter will be placed before that Body at its meeting to be held in February 1949. The Syndicate has also informed the Government that the amending of the University Act may be deferred pending report of the Universities Commission appointed by the Central Government.

78. The following amendments to the Act made by His Excellency the Governor of Madras during the period

of Proclamation, under Section 93 of the Government of India Act, 1935, were re-enacted permanently :—

Act III of 1942.

Regarding amendment to Section 17 of the Act—that the quorum prescribed for Senate meetings shall not be required at a Convocation of the University, or a meeting of the Senate held for the purpose of conferring degrees, titles or diplomas, etc.

Act XXXIII of 1942. Regarding amendments to the Sections relating to the period of membership on the Authorities of the University and for vesting in the Vice-Chancellor the power to hold elections to University Authorities in anticipation of vacancies arising by efflux of time.

Act XXVII of 1943. Regarding certain definitions and other amendments so as to clear certain doubts with regard to the powers of the University for instituting and managing laboratories and Technical Colleges.

The other Amendment Acts which were enacted during the period, viz., (1) Act No. V of 1942 (power to extend the term of office of the members of University Authorities), (2) Act No. X of 1942 (vesting the Vice-Chancellor with power to take action in any emergency subject to the report to the Chancellor and the Authorities

concerned), and (3) Act No. XXIX of 1942 (recognition of constituent colleges, as such, even through they had to go outside the City in an emergency) were repealed.

79. Deletion of obsolete Laws:—At its meeting held on the 26th May 1948, the Syndicate considered the question of deleting the following Regulations from Volume I, Part II, Calendar, 1945-46, as they have become obsolete, and resolved that they be deleted from the University Calendar, Volume II, 1948-49, which is going through the Press :—

- (1) Regulation 10 of Chapter XLII—Intermediate Examination—Page 77, Transitory provision regarding Certificates 'A' and 'B' of U.O.T.C.
- (2) Regulation 14 of Chapter XLIII—B.A. Degree Course—Page 112, Transitory provision regarding Certificates 'A' and 'B' of U.O.T.C.
- (3) Regulation 10 of Chapter XLVII—D.Litt. Degree—Page 156, Transitory Regulation empowering the Syndicate to permit candidates to apply for the D. Litt. Degree under the Regulations in force prior to March 1945 under certain conditions.
- (4) Regulation 14 of Chapter XLIX—B. Sc. Degree Course—Page 174, Transitory provision regarding Certificates 'A' and 'B' of U.O.T.C.
- (5) Regulation 10 of Chapter LII—D.Sc. Degree—Page 204, Transitory Regulation empowering the Syndicate to permit candidates to apply for the D. Sc. Degree under the Regulations in force prior to March 1945, under certain conditions.

80. Revision of Fees, etc:—The Syndicate examined carefully the financial position of the University and the deficit in the accounts of the several departments arising out of the large increase in expenditure consequent on the dearness and other allowances paid to the employees amounting to about Rs. 82,200 during the year, the personal allowance paid to Teachers under Statute 8 of Chapter IX amounting to about Rs. 11,600 for the current year 1947-48, and the general increase of prices. Applications to Government for further financial assistance had so far not been fruitful. Without giving up the legitimate expectation of assistance from Government, the Syndicate had resolved to recommend to the Senate that examination and other fees be increased with a view to (1) covering the cost of dearness and other allowances and personal pay, (2) covering the deficits in the several departments, (3) restoring the old rates of remuneration to examiners, (4) improving the salaries of University Teachers, (5) making an adequate financial provision for Alagappa Chettiar College of Technology, and (6) if possible, establishing one or more new departments from among those already approved by the University.

The Syndicate accordingly placed before the Senate the amendments to Statutes and Ordinances wherever necessary, which were adopted.

81. Poet Laureates—University representation :—
In his letter No. 81426-G. 3/47-8 Edn. dated the 10th December 1947, the Secretary to Government in the Education and Public Health Department, Madras, informed the University that the Government had decided to appoint Poet Laureates in the four regional Languages of the Province and in Sanskrit and requested the University to nominate its representatives on the Committees to be constituted for the purpose of helping the Government in

the selection of suitable persons. The Syndicate accordingly nominated the following persons:—

Sri T. M. Narayanaswami	Chairman, Board of Pillai. Studies in Tamil.
Sri S. Govindarajulu Nayudu ...	Do. in Telugu.
Sri C. Achyuta Menon ...	Do. in Malayalam
Sri K. Narasinga Rao ...	Do. in Kannada.
Sri C. Kunhan Raja ...	Do. in Sanskrit.

82. Post-Graduate Medical Council:—The Council arranged, as in previous years, courses of lectures for the benefit of Post-Graduate students undergoing the M.D., M.S. and Diploma Courses in Medicine. The Council consisted of the Vice-Chancellor as Chairman, with the Principals of the two Medical Colleges in Madras and the Superintendents of the Government General Hospital and Stanley Hospital, Madras and Rao Bahadur Dr. T. Satakopan. Dr. R. K. K. Thampan continued to be its Secretary.

83. Social Service among students:—The Director of Public Instruction, Madras, communicated in February 1948, the decision of the Provincial Advisory Board of Education on the question of organising Social Service through students and requested the University to take steps in the matter. The Syndicate has circularised the Principals of Colleges inviting attention to the previous decisions arrived at the Conference of the Principals held in March 1947 on this question.

84. Department of English:—At its meeting held on the 7th November 1946, the Senate adopted the following resolution:—

That the University do take active steps to encourage research in English Literature by instituting,

in consultation with the Academic Council, a Chair of English Literature under the auspices of the University.

The Academic Council referred the matter to the Board of Studies in English for consideration and report.

The Board of Studies in English considered the matter and resolved to recommend the institution of a Department of English in the University for the encouragement of advanced studies in English Literature.

On the above report, the Senate at its meeting in March 1948 resolved that the suggestion of the Board of Studies be approved and recommended to the Syndicate that necessary steps be taken to implement the same.

The question has been referred to the Board of Studies for fuller details.

85. Inter-University Board:—Dr. Sir A. Lakshmanaswami Mudaliar, Vice-Chancellor of the University, continued to be the representative of the University on the Inter-University Board. He was also the Chairman of the Board for the year under report. Action was taken, wherever necessary, on the resolutions passed at the meeting of the Board at Cuttack in December 1947. Various other references made by the Board during the year were replied to and the necessary information furnished. A statement of the main subjects of research undertaken at the several Departments of the University was furnished to the Secretary for inclusion in the compilation of such work of all Universities, published by the Board periodically.

On the invitation of the University, the Twenty-fourth Annual Meeting of the Inter-University Board and the Sixth Quinquennial Conference of Indian Universities were held at the Senate House under the auspices of the

University from the 27th to 31st December. Besides the Vice-Chancellor, *ex-officio* Chairman of the Conference, the following members of the Syndicate represented the University at the Conference :—

Sri S. Govindarajulu Nayudu, B.A., B.L., LL.B.,
Barrister-at-Law.

Sri D. Sadasiva Reddi, M.B.E., M.A.

Basheer Ahmed Sayeed Sahib Bahadur, M.A., B.L.

The undermentioned subjects were sent up by the University for consideration at the Conference :—

1. That this Conference is of opinion that all Universities in India should prescribe the same period of instruction for the degree course in Engineering (*i.e.* either a 3 year or 4 year course); and
2. that the Conference decide upon the general course of action to be taken by the Universities when directives are received from the Government on general educational matters, more particularly, relating to University Education, as in the case of the Government of India regarding the medium of instruction.

86. Universities' Bureau of the British Empire:—

The name of Bureau was changed to 'The Association of Universities of the British Commonwealth'. Mr. R. Littlehailes, C.I.E., M.A., Ex-Vice-Chancellor continued to be the representative of the University on the Association.

The Congress of Universities of the British Empire was held at Oxford in July last. Sir A. Lakshmanaswami Mudaliar, Vice-Chancellor, represented the University at the Congress. It may be stated that on this occasion the Oxford University conferred on him the Honorary Degree of Doctor of Civil Laws.

87. Indian Historical Records Commission :—Sri V. R. Ramachandra Dikshitar, Professor of Indian History and Archaeology was appointed a Member of Research and Publications Committee of the Commission. On a request from the Government of Madras, the undermentioned gentlemen have been recommended for nomination to the Regional Survey Committee of the Commission:—

Professor V. R. Ramachandra Dikshitar.

Professor K. A. Nilakanta Sastri.

Professor S. W. A. Bokhari.

The Silver Jubilee Session of the Commission and the 13th meeting of the Research and Publication Committee were held at Delhi during the third week of December. The Reader in Indian History attended the session as visitor.

88. Foreign Fellowships:—On receipt of a communication from the Director, Institute of International Education and the Watumull Foundation, New York calling for applications for Fellowships, two applications were forwarded from the University in February last. Four applications have been forwarded to the Government of India, Ministry of Education in November last for Fellowships offered by the Australian Government.

89. Grant of Fellowships to French Students in Indian Universities:—The University has agreed to the proposal of the Government of India, Ministry of Education for the grant of Fellowships to French Graduate students for research work and teaching. The cost of a Fellowship is Rs. 500/- per mensem for a period of two years *plus* the cost of a second class return passage. The cost is to be equally shared by the University and the Government of India. Further and fuller details are awaited from the Government.

Committees appointed to examine and recommend suitable persons for appointment.

96. **University Union:**—On the recommendation of a Special Committee, the Syndicate decided to reopen the Union. Mr. A. G. Kanakaraj, B.A., L.T., Dip. in Phy. Edn., was appointed Manager and the Union was reopened in July confining its activities to out-door games. The Union has a Governing Body consisting of the Principals of Constituent Colleges with the Rev. L. D. Murphy, S.J., as Chairman and Honorary Treasurer.

97. **Inter-University Tournaments:**—The University entered for the following items of the Tournament for the year 1947-48:—Cricket, Hockey, Football, Tennis, Basketball and Athletics. The University also conducted the Inter-University Finals and the South Zonal matches in Tennis, as the Bombay University which was entrusted with the conduct of the above Tournaments could not arrange for the same.

The Madras University also won for the second time the finals of the Inter-University Football Tournament. In Hockey, the University was the winner of the South Zone.

As in previous years, arrangements have also been made for the conduct of Inter-Collegiate and Inter-Divisional Tournaments within the University. A Special Committee has been appointed by the Syndicate for the purpose. The colleges within the jurisdiction of the University have been grouped into four divisions for the purpose.

The University has entered for the following items of the Inter-University tournament for the year 1948-49:—Cricket, Hockey, Football, Tennis, Swimming, Basket-ball and Athletics. The University conducted the tournaments

in Swimming. The University has won the Football Final this year also.

In response to a request from the Inter-University Board, the University has resolved to institute a Trophy for the Inter-University Tournaments in Badminton or in Boxing.

98. **I. M. M. T. S. Dufferin Scholarship:**—The Syndicate considered a letter from the Government of India, Ministry of Commerce, communicating their latest decisions regarding the training in the Indian Merchant Navy Training Ship 'Dufferin', viz.,

- (1) that commencing with 1949 entry, only Executive Cadets will be admitted for training,
- (2) that, in future, candidates who have passed the Matriculation or an equivalent examination of a recognised University, with Mathematics and who are between the ages of 15 and 17, will be admitted for training,
- (3) that the period of training will be reduced from three years to two years,
- (4) that the number of admissions in future years will be 80.

and enquiring whether, in the circumstances, the University will consider the question of revising the terms of award of the scholarship, by increasing the number of scholarships to be awarded from one to two each year. The Syndicate resolved that the suggestions of the Government of India be approved, and that the Statutes relating to the award be suitably amended. The modifications to the Statutes were approved by the Senate at its meeting held in November.

99. **Conferences and Congresses:**—Invitations were received from several academic Bodies and Institutions

both in India and outside to depute delegates for the Conferences held under their auspices. The University was represented by one or more of the Teachers of the University at the following Conferences:—

1. All-India Oriental Conference at Darbhanga.
2. Indian Science Congress at Allahabad.
3. Annual Session of the Indian Institute of Chemical Engineers at Allahabad.
4. Conference of the Indian Economic Association at Hyderabad.
5. Annual Meeting of the Indian Society of Agricultural Economics at Hyderabad.
6. Annual Meeting of the Indian Academy of Sciences at Bangalore.
7. Indian History Congress at Delhi.
8. Indian Political Science Conference at Nagpur.

(ii) The Indian Political Science Association has been invited by the University to hold its next session at Madras under the auspices of this University. The Conference may take place in December 1949 or early in January 1950.

(iii) The University has also invited the Indian Mathematical Society to hold its next annual meeting at Madras in December 1949.

100. Inter-Collegiate Debates:—This year the Syndicate decided to have Inter-Collegiate debates in English as well as in Tamil, Telugu, Kannada, Malayalam and Urdu. A small Committee consisting of the Rev. L. D. Murphy, S. J. (*Convener*), Sri V. K. Ayappan Pillai and Mrs. Mona Hensman were requested to be in charge of the debate in English.

The Principals of the following Colleges were requested to act as conveners for the conduct of the debates in the languages:—

- | | |
|--|------------|
| St. Joseph's College, Trichinopoly ... | Tamil. |
| Pachaiyappa's College, Madras ... | Telugu. |
| St. Aloysius' College, Mangalore ... | Kannada. |
| Maharaja's College, Ernakulam ... | Malayalam. |
| Government Muslim College, Madras. | Urdu. |

The Colleges were circularised and many of the Colleges took part in one or other of the debates. For convenience, the preliminary debates were held in three or four colleges and the winners selected in the centres participated in the finals. The finals in English was held at the Senate House on the 19th November, in Tamil at Presidency College on the 1st December, and in Telugu at Pachaiyappa's College on the 23rd November. The final debates in other languages will be held in January 1949.

The names of the winners in the debates held before the end of the year are given below:—

English.

1st place: Mr. George Isaac of Madras Christian College, Tambaram.

2nd place: Mr. R. E. Bedford of the Engineering College, Guindy.

3rd place: Miss Teresa Lopez of St. Teresa's College, Ernakulam.

Tamil.

1st place: Mr. R. Dandapani of the Law College, Madras.

2nd place: { Mr. K. S. Subramanian of Government College, Coimbatore.
Mr. V. Sambandam of Loyola College, Madras.

Telugu.

1st place : Mr. I. Ramamurti of Loyola College, Madras.

2nd place : Mr. G. Parthasarathi of Presidency College, Madras.

3rd place : Miss T. Prabhavati of Queen Mary's College, Madras.

101. The Madras University Officers' Training Corps :—The Corps consisting of the 1st (Madras) Bn. at Madras and the 2nd (Madras) Bn. at Trichinopoly continued till the middle of the year when it was replaced by the National Cadet Corps (Senior Division). Lt.-Col. S. Paul was in command of the 1st (Madras) Bn., and Major P. R. Subramaniam of the 2nd (Madras) Battalion. The Corps had almost its full strength during the year. The 1st (Madras) Bn. had its training Camp at Pallavaram and the 2nd (Madras) Bn. had its Camp at Salem, in May.

The results of the Certificate Examination conducted in February are given below :—

<i>Examination</i>	<i>Number appeared</i>		<i>Number passed</i>	
	1st Madras Bn.	2nd Madras Bn.	1st Madras Bn.	2nd Madras Bn.
A-I	239	85	209	76
A-II	116	54	84	38
B-I	20	11	13	9
B-II	15	11	13	8

102. National Cadet Corps—Senior Division :—Arrangements for the formation of the National Cadet Corps in this Province were under consideration for some time and the Government passed final orders in

G. O. No. 2692 Education dated the 28th October 1948 regarding its formation in this Presidency.

Preliminary arrangements were made for the selection of persons for training of Officers required in addition to the Ex-U.O.T.C. Officers continuing in the N.C.C. The Senior students who were in the U.O.T.C. were taken into the N.C.C. The 1st (Madras) Bn. consists of four companies (625 cadets) from the Presidency College, Loyola College, Pachaiyappa's College, Government Muslim College and Government Arts College, Anantapur. The 2nd (Madras) Bn. at Tiruchirapalli also has four companies (625 cadets) from the St. Joseph's College, Tiruchirapalli; National College, Tiruchirapalli; Madras Christian College, Tambaram and the Government College, Kumbakonam. The Technical Unit (60 cadets) is from the College of Engineering, Guindy.

Major Anand Joshi is in command of the 1st (Madras) Bn., Major K. V. Sankunny Nayar of the 2nd (Madras) Bn. and Capt. O.G. Rao of the 3rd (Madras) Engineering Platoon.

Some of the U.O.T.C. Officers have been commissioned under the N.C.C. Some members of the College staff have been selected for training as officers. They will be undergoing training in the ensuing Summer Holidays.

The question of further units to be started from 1949 is under consideration.

X. BUILDINGS AND ACCOMMODATION.

103. (i) Buildings for the A.C. College of Technology :—The work of construction of the main buildings for the A. C. College has made satisfactory progress during the year. The building has very nearly reached the roof level. Action is also being taken for the preparation of plans,

designs and tender documents for the various installations, such as sanitary and water supply fittings, gas supply, etc. It must be mentioned that much of the progress was made possible on account of the co-operation of the Local and Central Governments in giving all possible assistance in acquiring the necessary steel and cement needed for the work. Applications have also been made for the acquisition of the necessary G.I. pipes and fittings, which are also controlled commodities, and it is hoped that Government will kindly co-operate in facilitating their supply.

(ii) Repairs to leaks in the roof of the Library and Departmental Buildings were executed during the year over two sections in the Library and Departmental buildings. From observations made during the recent monsoon, the trial would appear to be satisfactory. In view of the results obtained after this trial, it is proposed to take up similar treatment of the remaining part of the roof over these two buildings.

104. The University Examination Hall was taken over from the Army Authorities in March 1948. The building needs extensive repairs to restore to its original condition. The damage caused to the building was surveyed by the Architect, and the question of compensation is still under correspondence with the Army Authorities. The repairs to the building will be taken up shortly.

XI. MADRAS UNIVERSITY LIBRARY.

105. Dr. M. O. Thomas, M.A., Th.D., Dip. L.S. (London), F.L.A., continued to be the Librarian during the period under report.

Reference Section:—Bibliographical lists were prepared and supplied to members and enquirers as usual.

Issue Section:—3,139 members enjoyed the privilege of borrowing books from the Library. Of these

590 joined during the year. There were 320 mofussil members. 63,734 books were consulted within the Library and 57,328 were issued for home reading. The number of readers that used the Library during the year was 71,405.

Hours of the Library:—The working hours of the Library were:—

1st April to 30th September: 8 a. m. to 6 p. m.

1st October to 31st March : 7-30 a. m. to 5-30 p. m.

During the year under report the Library was closed to the public on 31-1-1948, 12-2-1948, 15-8-1948, 2-10-1948 and 1-11-1948 owing to Mahatma Gandhi's demise, Ashes Immersion Ceremony, Anniversary of the Independence Day, Gandhiji's Birthday and Solar Eclipse respectively.

Binding Section:—821 books and 1,251 periodical publications were bound during the year under report.

Technical Section:—3,199 volumes of books and periodicals, 42 theses, and 237 research reports were accessioned, classified and catalogued during the year involving the preparation of 7,995 cards.

Books Section:—3,199 volumes were added to the Library, of which 2,545 were by purchase and 654 by the donation or exchange. Of these, 698 were deposited in the Departmental Libraries. There are 1,16,596 volumes in the Main Library and 25,493 in the Departmental Libraries, thus making a total of 1,42,089 volumes. In addition, 3,457 volumes, mainly stray pamphlets and loose numbers of periodicals, are kept in a special sequence. Besides these, the Library possesses also 2,126 maps, 39 paper manuscripts and 1,748 palm leaf manuscripts.

Forty-two more copies of theses submitted for the Research Degrees of the University were deposited in the

Main Library thus making a total of 424. Copies of final reports of research students have also been deposited.

Periodical Section:—The current periodical publications number 2,036 of which 1,825 were kept in the Main Library and the rest in the Departmental Libraries. Out of 339 periodicals which stood suspended last year, 15 sets comprising 281 volumes were acquired during the year. Some of the periodicals that were held up during the war period are also being received now.

Exchange relation:—Exchange relation was opened with Brown University, Rhode Island, this year.

Free gifts:—Certain valuable books and periodicals were received as gifts from the following:—

Sri C. Subrahmanya Iyer, Major Buckley, Dr. S. Maulick, (Department of Entomology, British Museum), Sri T. S. Ramachandran, I.C.S., Ranade Library and the American Library Association.

The University is also indebted to several governments, institutions, publishers and individual donors for the free supply of their publications to the Library.

Finance:—The usual grant for the Library of Rs. 43,500 and the departmental grant amounting to Rs. 16,150 were credited to the Library Account. The annual interest on investments amounted to Rs. 12,880/-. The accounts of the Library were, as usual, audited by the Examiner of Local Fund Accounts.

Librarianship Course:—Five students completed the Diploma Course in Librarianship and earned the Diploma. Three students have joined the course in the current year.

106. Departmental Libraries:—Dr. George Kuriyan, B.A., B.Sc., Ph.D. (London), continued to be the Honorary Librarian during the year.

There was continued development in both the sections of the Departmental Libraries. In the course of the year, 452 volumes, as against 680 during the previous year, were added to the Libraries. Besides, 1,075 current numbers of loose journals indented for by the various departments were also received. Books and periodicals thus acquired for the Libraries were catalogued and entered in the stock-register. 26 books were received as complimentary copies and the University records its gratitude to all authors and publishers who have sent these valuable gifts.

Excluding the use of the current numbers of periodicals which are kept on the readers' table for purposes of consultation, the number of books that were consulted and taken on loan by the Teachers and research students of the several departments during the year were 18,676 and 9,946 respectively. The corresponding figures for the previous year were 19,578 and 9,136. 792 periodical publications were also taken on loan by the several research workers in the various Departments of the University.

The Departmental Libraries were not only used by the Teachers and research workers of the University, but also by several Honours students and by the members of the staff of the various city colleges. Occasionally, through the Librarian of the Madras University Library, books were borrowed by the Government officers in the Board of Revenue, Departments of Agriculture, Finance, etc.—the number of books that were so borrowed during the year were 857. Besides the regular research students, 2,662 visitors came to the Libraries during the year for purposes of consultation, as against 1,996 in the previous year.

(e) For careers in the armed forces, details of opportunities were given to enquirers desiring to enter the Navy, the Army and the Air force.

(f) Two American graduates were supplied with information of courses available at Madras University.

(g) Information on professional institutions abroad and in India were given to those who desired to become members of the same.

(h) The Bureau continued its publicity work in its weekly columns on various courses and careers available to the students. Cyclostyled copies of information on new courses were supplied to enquirers.

(i) The University acknowledges with gratitude the kind and helpful co-operation of the U. S. Information Services, U. K. Information services, the Education Department of Government of India, and the Office of the Indian High Commissioner at London. The University also acknowledges with gratitude the kind co-operation extended by the Editors of *Madras Information*, *The Sunday Times*, *The Hindu*, the monthly bulletin of the Government of India and *The Indian Express*.

XIII. LECTURES.

112. Lectures by members of the Department and by the Honorary Readers appointed by the Syndicate were, as usual, delivered during the year under report.

113. Endowment Lectures:—The following persons were appointed Lecturers for the several Endowment Lectureships during the year:—

The Maharaja of Travancore Dr. D. S. Ayyar.
Curzon Endowment Lectures
(Medicine-clinical)

Do. (Engineering) Sri F. J. Vedamanickam, B. E.

Do. (Agriculture.) Dr. T. S. Sadasivan, M.Sc., Ph.D.

The Sir Subrahmanya Ayyar Sri T. K. Venkataraman, M.A.
Endowment Lectures (Indian
History)

The Gokhale Endowment Lec- Sri A. Muthiah, M.A.
tures (Economics).

The Rt. Hon. V. S. S. Sastri Dr. C. R. Reddy, M.A.
Lectures.

The Sankara Parvati Endowment Sri R. Vasudeva Poduval, M.A.
Lectures (Ancient South Indian
History).

The Sir William Meyer Endow- Sri Diwan Bahadur C. S. Srinivasa-
ment Lectures (History). chariar, M.A.

The Principal Miller Endowment Sri K. R. Appalachariar, M.A.
Lectures (Philosophy).

The Dr. Elizabeth Matthai En- Dr. S. T. Achar
dowment Lectures (Medicine).

114. Special Lectures were delivered by the follow-
ing persons on the subjects indicated:—

Professor Alexander Findlay, From Crookes Tube to the Atomic
Emeritus Professor of Che- Bomb: A Study in the Evolution
mistry, University of Aber- of Scientific Knowledge.
deen.

Chemistry in the Service of Man.
New Lamps for Old; Chemical
Industry and Natural Resources.

John D. Kearney, Esq., High The Constitution of Canada.
Commissioner for Canada in
India.

Dr. Sverre Petterssen, Norwegian Formation of Rain.
Meteorologist.

Professor Hadi Hassan of Persian Wit and Humour.
Aligarh Muslim University.

Dr. Louis Renou, Professor of Influence of Indian Thought on
Sanskrit, Sorbone, Paris. French Literature.
French Works relating to Indology.

XIV. ENDOWMENTS.

115. The following new Endowments were accepted by the Syndicate during the year and reported to the Senate:—

(1) **Principal B. V. Narayanaswami Naidu Prize:—**

An endowment of Rs. 1,500/- founded by the friends and colleagues of Dr. B. V. Narayanaswami Naidu, M. A., B. Com., Ph. D., *Barrister-at-Law*, Principal, Pachaiyappa's College, Madras, in recognition of his services to the cause of Commercial Education in this University, for a Prize to be awarded to a candidate who qualifies in the year for the B. Com. Degree.

(2) **The Dr. Sir A. Lakshmanaswami Mudaliar Lectureship:—**An Endowment of Rs. 15,000/- founded by the subscribers to the Dr. Sir A. Lakshmaswami Mudaliar Commemoration Fund, for the purpose of establishing a Lectureship on a subject pertaining to Medicine in any of its various Departments, including Medical Education, Medical Relief, Public Health, and History of Medicine.

(3) **The Dr. Alagappa Chettiar Gold Medal:—**An Endowment of Rs. 2,500/- founded by the Vice-Chancellor of the University of Madras (Dr. Sir A. L. Mudaliar), as a small token of appreciation of the munificent benefactions made by Dr. Alagappa Chettiar in the cause of University Education, and more particularly for the endowment made to the University of Madras, which enabled the starting of a College of Technology. The Medal is to be awarded to a candidate who qualifies in the year for the Degree of Bachelor of Science in Technology in the Branch of Chemical Engineering.

(4) **The Sir Alladi Krishnaswami Ayyar Shashti-abdapoorthi Lectureship:—**An Endowment of Rs. 10,000/-

founded by the Sir Alladi Krishnaswami Ayyar Shashti-abdapoorthi Celebration Committee for the purpose of establishing a Lectureship. The subject of the lectures shall relate to any one of the following:—

Public Finance.	} with special reference to India.
International Trade.	
Taxation.	
Currency.	
Industry and Industrial Organisation.	
Comparative Jurisprudence.	
Indian Constitution.	
Public International Law.	

(5) **Dr. P. V. Cherian Prize:—**An Endowment of Rs. 2,000/- founded by Rao Bahadur Dr. P. Rama Rau, D.M.R. (Vienna), Director, Madras Radiological Institute, Madras, in appreciation of the meritorious service rendered by Dr. P. V. Cherian for the cause of Medical Education. The Prize is to be awarded to a candidate who qualifies in the year for the M.S. Degree in Branch II with Oto-Rhino-Laryngology as the special subject.

116. The awards of prizes and medals on the results of several examinations, according to the terms of awards of endowments were as usual made.

XV. ACCOUNTS.

117. The accounts of the University, including those of the University Library, for 1947-48, were prepared under Section 21 of the Madras University Act and audited by the Examiner of Local Fund Accounts.

The receipts under Fee Fund Account during the year ending 31st March 1948 amounted to Rs. 11,99,866 and the expenditure to Rs. 10,11,510 leaving a surplus of Rs. 1,88,356.

118. The Budget for the year 1948-49 was approved by the Senate at its meeting held on the 30th March 1948.

119. As in the previous years, grants were paid to the Inter-University Board, Universities Bureau of the British Empire and other Bodies. The total amount spent on grants and contributions amounted to Rs. 30,530.

120. The Provincial Government placed at the disposal of the University the sum of Rs. 4,00,000 for the recurring items of expenditure for 1947-48 to be drawn in monthly instalments, and the amount has, as usual, been allocated to the various accounts in the following manner:—

	Rs.
(1) Fee Fund Account ...	3,000
(2) Travelling Allowance Account ...	40,000
(3) Library Account ...	43,500
(4) Economics Account ...	30,000
(5) Indian History Account ...	30,000
(6) Research and Development Account ...	3,000
(7) V.-C.'s Salary Account ...	26,000
(8) U.S.I.B. Account ...	3,000
(9) Zoology Account ...	30,000
(10) Biochemistry Account ...	28,000
(11) Mathematics Account ...	11,000
(12) Departments of Philosophy and Psychology Account.	12,000
(13) Oriental Research Institute Account ...	55,500
(14) A. C. College of Technology Account.	85,000
	4,00,000

A sum of Rs. 1 lakh out of the non-recurring grant was also placed at the disposal of the University during the year.

A grant of Rs. 60,000 was received from the Council of Scientific and Industrial Research, Delhi during the year for Leather Research and a grant of Rs. 60,000 was received from the Government of India for Building and equipment for the A.C. College of Technology.

121. Government securities of the face value of Rs. 2,15,000 were purchased during the year against several accounts of the University and an amount of Rs. 1,25,000 was placed in Fixed Deposits.

APPENDIX A.

Applications for further and/or fresh recognition, affiliation and approval of Colleges, 1949-50.

Arts, Science and Commerce.

1. *Government Muslim College, Madras:*

Intermediate—Part II—Sanskrit, Kannada and Hindi.

2. *Loyola College, Nungambakam, Madras:*

(i) Intermediate and B.A.—Part II—Latin.

(ii) B.A.—Part III—Group (v)—Latin.

(iii) B.Sc.—Part II—Botany (Main and Subsidiary) with Zoology and Chemistry as Subsidiary.

3. *Pachaiyappa's College, Madras:*

Intermediate, B.A. and B.Com.—Part II—Hindi.

4. *Presidency College, Madras:*

(i) B.Sc. (Pass)—Part I—Malayalam, Kannada, Hindi and Urdu.

Part II—Geography (Main) and Geology, Physics, Botany and Zoology (Subsidiary).

(ii) B.Sc. (Hons.)—Part II—Branch I-b—Statistics

Branch VIII—Geography (Main)*

(iii) B.A. (Pass)—Part III—Group (iii-c)—Psychology.

(iv) B.A. (Hons.)—Part II—Branch II-b—Psychology.

Branch XI—Tamil.

Branch XI—Telugu.

Branch XIV—Geography*.

* On Inter-Collegiate University Co-operation basis.

5. *Vivekananda College, Mylapore, Madras:*

(i) B.Sc.—Part II—Statistics (Main) with Mathematics and Physics as Subsidiary.

Botany (Main) with Chemistry and Geography (Subsidiary).

(ii) B.A. (Hons.)—Part II—Mathematics.

6. *Queen Mary's College, Madras:*

- (i) B.A.—Part III—Gr. (vii)—Geography (Main) and History/
Economics Subsidiary and Geography
Subsidiary to History and Economics.
- (ii) B.Sc.—Part II—Mathematics, Physics, Chemistry and
Geography (Main and subsidiary) and
Physiology (Subsidiary).

7. *The Ethiraj College for Women, Royapettah, Madras:*

- (i) Intermediate—Part II—Hindi.
Part III—Indian Music, Economic History
of England and Economic
Geography.
- (ii) B.A.—Part II—Hindi.
B.A.—Part III—Group (v)—Tamil and Early South Indian
History.

8. *Stella Maris College, Mylapore, Madras:*

Intermediate—Part III—Physics and Chemistry.

9. *Government Arts College, Anantapur:*

Intermediate—Part II—Hindi.

10. *P. S. G. Arts College, Peelamedu, Coimbatore:*

Intermediate—Part III—Natural Science.

11. *Government College, Cuddapah:*

Intermediate—Part III—Mathematics, Physics, and Chemistry.

12. *Farook College, Feroke (S. Malabar.)*

(i) Intermediate—Part II—Tamil.

Part III—Mathematics, Physics, Chemistry
Natural Science and Indian
History.

(ii) B.O.L.—Part I—English.

[Part II—Arabic.

13. *Dr. Alagappa Chettiar College, Karakkudi:*

B.Sc. Pass—Part II—Geology (Main and Subsidiary).

14. *Government College, Kumbakonam:*

(i) B.A.—Part III—Gr. (iii-c)—Psychology.

(ii) B.Sc.—Part I—Sanskrit and Tamil.

Part II—Botany (Subsidiary)

15. *American College, Madura:*

B.A.—Part II—Urdu.

†16. *Madura College, Madura:*

B.Sc.—Part II—Chemistry (Main) with Mathematics and Physics
(Subsidiary).

17. *St. Agnes College, Mangalore:*

Intermediate and B.A.—Part II—Hindi.

18. *Raja's College, Pudukottai:*

B.Com.—Part I—English.

Part II—Hindi.

Part III—Compulsory subjects and Special subj. ci—
Transport and Insurance.

19. *Sarah Tucker College, Palamcottah:*

B.A.—Part III—Gr. (iii-a)—Philosophy.†

(iv-b)—Economics and History.

20. *Salem College, Salem:*

(i) B.Sc.—Part I—English.

Part II—Mathematics,
Physics and Botany } Main.

Mathematics, Chemistry and Zoology
(Subsidiary).

(ii) B.Com.—Part I—English.

Part II—Tamil.

Part III—Compulsory subjects and Optional
subjects.

21. *Government Brennen College, Tellicherry:*

Intermediate—Part II—Hindi.†

Part III—Natural Science,

22. *Sri Venkateswara College, Tirupati:*

(i) Intermediate—Part II—Hindi.

(ii) B.A.—Part III—Gr. (i-b)—Statistics (as an optional subject)

(iii) B.Com.—Part I—English.

Part II—Hindi.

Part III—Compulsory subjects and optional subject—Co-operation.

23. *National College, Trichinopoly:*

B.Com.—Part I—English.

Part II—Hindi and Tamil.

Part III—Compulsory subjects and optional subjects—Co-operation and Insurance.

24. *Sree Kerala Varma College, Trichur:*

(i) Intermediate—Gr. D—Sanskrit.

(ii) B.O.L.—Part II—Sanskrit.

(iii) B.A.—Part III—Gr. (v)—Sanskrit and Early Indian History.

25. *Voorhees College, Vellore:*

Intermediate—Part III—Natural Science.

Applications from colleges which were granted temporary affiliation in July 1947, seeking permanent affiliation in the courses opened and in new courses.

26. *Government College, Chittur (Cochin):*

(i) Intermediate—Part I—English.

Part II—Malayalam, Tamil, Sanskrit and Hindi.

Part III—Mathematics, *Physics, Chemistry, Natural Science*, Elements of Commerce and Accountancy, Modern History, Ancient History, Indian History, Logic and *Indian Music* and *Group D-Malayalam* (Vidvan).

(ii) B.A.—Part I—English.

Part II—Malayalam, Tamil, Sanskrit and Hindi.

Part III—Group (i-b)—Mathematics.

(iii-a)—Philosophy.

(iv-a)—History and Economics.

(iv-b)—Economics and History.

(iv-c)—Politics and History.

(vi)—Indian Music.

(iii) B.O.L.—Part I—English.

Part II—Malayalam.

(iv) B.Com.—Part I—English.

Part II—Hindi and Malayalam.

Part III—Compulsory subjects and Optional subject.

27. *Rajah Doraisingam Memorial College, Sivaganga:*

Intermediate—Part I—English.

Part II—Hindi, Tamil and Sanskrit.

Part III—Mathematics, *Physics, Chemistry, Ancient History, Modern History, Indian History, Logic and Elements of Commerce and Accountancy.*28. *Senthikumara Nadar College, Virudhunagar:*

(i) Intermediate—Part I—English.

Part II—Tamil.

Part III—Mathematics, *Physics, Chemistry, Logic, Indian History, Modern History and Elements of Commerce and Accountancy.**Group D—Tamil.*

(ii) B.A.—Part I—English.

Part II—Tamil.

Part III—Group (i-b)—Mathematics.

Group iv-a—History and Economics.

Group (iv-b)—Economics and History.

Note:—Courses or subjects in italics are new courses.

New Institutions applying for Affiliation.

29. *The New College, Tyagarayanagar, Madras.*

(The Muslim Educational Association of Southern India, Madras)

(i) Intermediate—Part I—English.

Part II—Urdu, Arabic, Persian, Tamil, Malayalam and Hindi.

Part III—Mathematics, Natural Science, Elements of Commerce and Accountancy, Indian History, Ancient History, Islamic History and Psychology.

Group D—Arabic, Persian and Urdu.

(ii) B.A.—Part I—English.

Part II—Urdu, Arabic, Persian, Tamil, Malayalam and Hindi.

Part III—Gr. (iv-b)—Economics and History.

Gr. (iv-d)—Islamic History.

30. *Government College of Arts and Science, Mercara (Coorg).*

(From the Chief Commissioner of Coorg).

Intermediate—Part I—English.

Part II—Kannada and Hindi.

Part III—Mathematics, Physics, Chemistry, Natural Science, Modern History, Ancient History and Logic.

31. *First Grade Arts and Science College, Madura:*

(From Karumuttu Thiagarajan, Madura).

(i) Intermediate—Part I—English.

Part II—Tamil and Sanskrit.

Part III—Mathematics, Physics, Chemistry, Indian History, Logic, and Elements of Commerce and Accountancy.

Group D—Tamil.

(ii) B.A.—Part I—English.

Part II—Tamil and Sanskrit.

Part III—Gr. (ii-a) Mathematics and Physics.

Gr. (iv-b)—Economics and History.

(iii) B.Com.—Part I—English.

Part II—Tamil.

Part III—Compulsory Subjects and Special subject Co-operation.

(Note:—Application for affiliation in the following subjects was received after the prescribed date *vis.*, 31-10-48.

(i) Intermediate—Part III—Natural Science and Gr. D—Tamil.

(ii) B.A. Part III—Group (i-a)—Mathematics.

(iii) B.Com.—Part II—Telugu.

(iv) B.A. (Hons.)—Branch II—Philosophy.

Branch XI—Tamil.)

†32. *Government (Second Grade) College, The Nilgiris:*

(The Director of Public Instruction, Madras.)

Intermediate Part I—English.

Part II—Tamil.

Part III—History, Psychology, Mathematics, and Elements of Commerce and Accountancy

33. *Mahatma Gandhi Memorial College, Udipi (South Kanara):*

(The College Committee, Udipi (S. Kanara).

Intermediate—Part I—English.

Part II—Kannada, Hindi and Sanskrit.

Part III—Mathematics, Modern History, Indian History, Logic, and Elements of Commerce and Accountancy.

PROFESSIONAL COLLEGES

Teaching:

34. *St. Christopher's Training College, Vepery, Madras:*

B.T. Degree—Basic Education (Theory and Practice) as an optional subject.

35. *Meston Training College, Royapettah, Madras:*

B.T. Degree—Basic Education (Theory and Practice) as an optional subject.

†36. *Lady Willingdon Training College, Triplicane, Madras:*
B.T. Degree—Basic Education (Theory and Practice) as an optional subject.

37. *Teachers' College, Saidapet, Madras:*
B.T. Degree—Basic Education (Theory and Practice) as an optional subject.

38. *St. Xavier's College, Palamcottah:*
B.T. Degree—General (Compulsory subjects A,B,C,D, and E.)
Methods of Teaching—Optional subjects:
Mathematics, Physical Science, English, History and Basic Education.

Medicine:

39. *Madras Medical College, Madras:*
(i) B.Sc Degree in Nursing.
(ii) Diploma in Venereology.

Physical Education:

40. *Y.M.C.A. College of Physical Education, Saidapet, Madras:*
Diploma in Physical Education.

Oriental Titles:

41. *Harihara Sanskrit College, Puthucode:*
Vidvan—vii-b—Malayalam (with Sanskrit).

† Since deferred or withdrawn by the managements concerned.

58

APPENDIX B.

**Reports on the Work of University
Research Departments**

INDIAN ECONOMICS

Staff:

Professor:—Dr. R. Balakrishna, M.A., Ph.D.

Reader:—Dr. R. N. Poduval, B.A. (Hons.), M.Sc.,
Ph.D.

Lecturer:—Mr. C. W. B. Zacharias, M.A.

There was no change in the staff during the year.

Research Work : Published and in Progress

Professor :

The Professor investigated the various aspects of the tax structure in India in order to assess it in the light of the experience of other countries. He published a few articles on the subject, interpreting the evolution of the Indian tax structure. As national budgets are closely related to tax problems he made a study of them from the provincial angle and prepared a paper. The problem of economic maladjustments in India and elsewhere was also engaging his attention.

Publications :

1. Regional Planning in India : (Book. pp. 458.
Published in February 1948 by Bangalore Press).

2. India and Pakistan : Economic Potentialities.
(*Eastern Economist*, Delhi, January 1948).

3. Economic Implications of the Partition (*Business Week*, January 1948).
4. Some Aspects of the Indian Tax Structure (*Commerce*, Bombay—in three issues, May 1948).
5. Budgetary Scope of Planning in Madras (*Indian Journal of Economics*, Conference Number—December 1948).
6. Return on Capital and Profit-sharing (*Business Week*, Madras, October 1948).
7. Economic Recovery (*Commerce*, Bombay—Annual Review Number, January 1949).

Reader :

The Reader concentrated his attention mainly on the financial problems of the Government of India during the war period. His investigations related to the special features of India's war finance and the necessity for a reorientation of financial relations between the Centre and the Provinces in view of the country's independence.

Publications :

1. Finance of the Government of India since 1937 (Book under preparation—completed 8 chapters : 150 typed pages).
2. Budgeting for Full Employment (*Indian Journal of Economics*—Conference Number December 1948).
3. Cheap Money Policy in India (*Indian Journal of Economics*, April 1948).
4. Economic Potentialities and Development of Malabar (to be published).

Lecturer :

The Lecturer specialised in the study of agricultural and food problems in the Madras Presidency. His book under preparation and the papers published by him during the year have a bearing mainly on these problems.

Publications :

1. Agricultural Planning in Madras (Book under preparation : Added six chapters during the year—200 pages manuscript).
2. Finance of Indian Planning (Book—pp. 113—Vora & Co. December 1948).
3. Decontrol of Food in Madras (*Madras Journal of Co-operation*, April 1948).
4. Some Practical Suggestions for the Formation of Co-operative Farms (*Madras Journal of Co-operation*, August 1948).
5. Fighting Inflation (*New Review*, October 1948).
6. Burden of Rural Debt in Madras (to be published).
7. National Budgets in relation to Planning (to be published).

Lectures and Conferences

The Professor delivered two inter-collegiate lectures on "Commercial Policy for India". He delivered the presidential address at the Economic Conference in Trivandrum. In the address he dealt with the economic maladjustments in India and examined critically the Government measures for rectifying them. The Professor attended the All-India Economic Conference held in Calcutta and presented a paper on "India in a World Trading System".

The Reader delivered two inter-collegiate lectures in January on "The Effect of the War on Indian Finance", and two lectures in August on "Full Employment".

Guidance of Research Students

The academic year commenced with the full complement of fifteen students, nine having joined this year. There are at present fourteen students, one having left the department in October. Five of the students draw stipends and the others are working as non-stipendiary students. There are no research fellows in the department. For purposes of guidance the students have been assigned equally among the members of the staff. The notes of research work and the chapters written by the students were scrutinized by their respective supervisors. All the students have been making good progress in their work. The subjects of their research are shown in the statement attached herewith.

Teaching Work and Diploma Classes

The Professor delivered four lectures a week. Two of them were to the B. Sc. (Tech.) students of the College of Technology at Guindy, one to the Diploma class in Politics and Public Administration and the other to the Diploma class in Journalism. The Reader delivered three lectures a week to the Diploma classes in Economics and in Politics and Public Administration. The Lecturer delivered two lectures a week to the Diploma students in Economics.

The Diploma course in Journalism continued to be under the administration of the Professor of Economics. Ten students were selected for the course which commenced in January 1948. There are at present eight students, two having given up the course owing to ill-health. All the eight students have sent up their applications for the ensuing examination in January 1949. In the previous year six students went up for the examination and only one took the Diploma, the others having failed in Shorthand and/or Typewriting.

In the Diploma course in Economics there are 21 students in the I year and 1 in the II year.

Editorial Work, etc.

The Professor continued to be the Editor of the Journal of the Madras University (Humanities). The combined January and July number for 1947 was published during the year. The Reader is the Vice-President of the Research Scholars' Association.

The Programme of work approved for the department is being followed. A few special problems have also been taken up for investigation on account of their topical interest.

Research Students

Stipendiary:

- | | |
|------------------------------|--|
| 1. M. Sivaji | ... Public Utilities in Madras: Water-supply and Electricity (studentship ceased on 9th August 1948) |
| 2. Easo John | ... Indian Currency during the war (studentship ceased on 17th August 1948). |
| 3. Miss S. Kanthimathi... | Agricultural Marketing in India. |
| 4. Y. Sivasankara Reddy. | Public Finance in India during the war. |
| 5. S. Bob Sundaram | ... Dairy Farming in Madras. |
| 6. P. B. Venkatasubramanyam. | State Enterprise with special reference to Madras Presidency. |
| 7. Miss T. Meenakshi | ... Finances of the Madras Government since 1919. |

Non-stipendiary:

1. T. V. Madhav ... Taxation of Income in India with special reference to Madras (submitted a thesis on the subject for Ph. D. in August).
2. K. T. Ramakrishna ... Joint-stock Banking in India (completed his work in August).
3. R. Padmavalli ... Industrial Finance in India.
4. Miss R. Shakuntala ... Social Security in India.
5. C. Kunhikannan Nair. Agricultural Economy of Malabar.
6. Miss I. Indira ... Population and Agricultural Production in Madras since 1931.
7. Mr. Bazeleel Gnana-doss. Housing of Industrial Labour in Madras City.
8. N. C. Bhogendranath. Textile Industry in Madras.
9. V. Shiv Chandra ... Sales Tax.
10. M. P. Geeverghese ... Keynes and Trade Cycle.
11. K. Madhava Warriar... Indirect Taxation in Madras.

The following non-stipendiary students left the Department without completing their work:—

K. M. Thangavelu

S. Guruswami

V. Ramachandran

INDIAN HISTORY**Staff:**

Professor:—V. R. Ramachandra Dikshitar, M.A.

Reader:— Dr. T. V. Mahalingam, M. A., D.Litt.

Lecturer:— Dr. M. Arokiaswami, M.A., Ph.D.

Professor:**Research**

- (a) The work on Gupta Polity was continued.
- (b) Contributed five chapters for the different volumes of the History of India planned by the Indian History Congress.

Mackenzie Work

The summaries prepared by the Tamil Research Assistant were revised and corrected and some of them edited for publication.

Teaching and Supervision

Guided the work of research students in the department (*vide*: Research Students at the end.)

Publications

1. The second edition of the book 'War in Ancient India' was published.
2. The transliterated text and original Tamil text with translation of the Tirukkural is being printed by the Adyar Library. About two-thirds of the work has been struck.

Papers published:

1. Arms and Armoury in Ancient India (Bombay).
2. Temples in and around Madras (Souvenir of the Fort Museum, Madras.)

Papers awaiting publication:

3. Niti Sastra.
4. Kamandakiya Niti Sara.
5. Historical Material in the Brhadaranyakopanisad.
6. Ramagupta.
7. I-tsing's India.
8. Ahimsa or Non-violence.

Reader:

Research

Completed collecting materials from literary and epigraphical sources for his book on South Indian Polity. The matter collected has been critically examined and analysed. He has finished writing the first two chapters of the book.

Teaching and Supervision

1. Delivered two lectures every week on Mughal Administration to the Honours students of the Government Muslim College up to March 1948.
2. Also delivered Inter-Collegiate lectures on South Indian History to the History Honours students from the City colleges.
3. Gave lectures on British Indian Administration to the Diploma students in Politics and Public Administration.
4. Has been guiding the work of Mr. T. S. Balasubrahmanyam, research student in the department.

Publications

Papers published:

1. Visual Education (Sir A. Lakshmanaswami Mudaliar Volume)

Papers awaiting publication:

2. The Pasupatas in South India.
3. Buddhism in Mediaeval South India.
4. A Tirupparankunram Inscription of 1792.

Attended the Indian History Congress at Delhi as a delegate of the University and was also Visitor to the Silver Jubilee Session of the Indian Historical Records Commission.

Lecturer:

Research

The Lecturer joined the department in July 1948. He has been reading literature on the subject of his study, viz., The History of the Spread of Christianity in South India.

Teaching

Two lectures were delivered every week to the students of the Government Muslim College on the Bahmani Kingdom.

Research Students:

Mr. R. Mohan, B. A. (Hons.) (Subj: South India and Ceylon).

The student's term expired on 16-8-1948. He has submitted his final report on the subject.

Mr. T. S. Balasubrahmanyam, B. A. (Hons.) (Subj: South Indian Architecture from the Sangam Age to Vijayanagar Empire).

He has submitted the first chapter of his thesis and is engaged in writing further chapters on his subject.

Miss K. L. Mythili, B. A. (Hons.) (Subj: History of Kanchipuram).

She has been reading books and periodicals bearing on her subject. She has till now indexed about 200 inscriptions from the Madras Epigraphy Reports.

Miss P. I. Achai, M.A. (Subj: Kerala and her contact with the outside world).

She has been reading books and articles in periodicals connected with the subject of her work.

The work carried on in the Department has been in conformity with the five year programme.

POLITICS AND PUBLIC ADMINISTRATION

Staff:

Reader:—Sri R. Bhaskaran, M.A.

Research and Publications

1. In pursuance of the scheme of work approved last year, the selection of documents illustrative of the Constitutional and Administrative development of India has been completed and comments on the extracts are being written.

2. The collection of material for the early chapters of the book on Indian Government is over and further material is being collected.

3. The study of the theory of the State in the light of modern legal and sociological criticism is proceeding; the Departmental Lectures delivered this year were based on parts of that study.

4. The Reader was deputed to attend the 10th session of the Indian Political Science Conference at Trivandrum in January 1948. Read a paper on "The Crown and the

Future of Indo-British Relations" (published in the Indian Journal of Political Science).

5. He presented a paper at the 38th Provincial Educational Conference in May 1948 at Trichinopoly dealing with the political and administrative policies of Education in Free India (published in the Handbook issued by the Conference).

6. A paper on the Constitutional Problems of Free India has been sent for publication.

7. Lists of topics in Political Science and a specimen article were contributed to the Tamil Encyclopaedia.

8. Supervision and guidance of the work of the Research Fellow and Research Students.

Lectures

1. The Reader lectured four hours a week on Politics and Public Administration to the Diploma class.

2. Three lectures a week were delivered on Political Theory to the final year Honours students of the Presidency College.

3. A course of twelve lectures on "Modern Constitutions" was given to the Diploma class in Journalism.

4. Six Departmental lectures were given in December 1948 on Basic Political and Administrative Ideas.

Research Fellow

Mr. V. Venkata Rao, Research Fellow, had his fellowship renewed for another year in October 1948. He has finished the necessary field work and completed the first draft of his thesis on "The Administration of District Boards in the Madras Presidency, 1885-1945".

Research Students

Stipendiary :

1. Mr. N. Parthasarathy completed his second year of stipendiary studentship in October 1948 and his report on 'Judicial Administration' will be ready in January 1949.

2. Mr. K. S. Narayanaswami had his stipendiary studentship renewed for a year in September 1948. He has finished collecting material on 'City Improvement Trusts in India' and will shortly visit some principal cities where Improvement Trusts are functioning.

Non-stipendiary :

Three non-stipendiary students were admitted this year and have commenced work which now consists of general reading and preparation of bibliographies.

1. Mr. N. R. Bhat who joined on 8th September 1948 is investigating the Pluralist pattern in Indian political traditions.

2. Mr. E. S. Jayaraman who joined on 10th September 1948 is studying 'Aspects of Revenue Administration in Madras'.

3. Mr. S. Padmanabhan who joined on 21st October 1948 is studying problems of Village Autonomy and Villagism in the context of the development of local self-government in the Madras Presidency.

Diploma Classes

Mr. K. Venkoba Rao and Mr. G. Soundararajan continued as part-time lecturers in Law and Commerce.

Dr. T. V. Mahalingam, Reader in the Department of Indian History and Archaeology, took one class a week on 'British Indian Administration'.

Out of 10 candidates registered for the Diploma examination in July 1947, 8 appeared and 4 passed.

There are 7 students in the II year class. 4 students enrolled in July 1948 will appear for the examination in July 1949. The number of students enrolled for a two-year course in July 1948 is 37.

From the beginning of the academic year, first year and second year students have been, for purposes of better instruction, divided into two separate classes, each taking some of the subjects prescribed for the examination.

Reorganization of the Diploma course is being considered by a Committee (appointed by the Board of Studies in History and Politics) of which the Reader is Convener.

GEOGRAPHY

Staff :

Senior Lecturer:—Dr. George Kuriyan, B.A., B.Sc., Ph.D. (London).

Junior Lecturer:—Sri V. Kalyanasundaram, M.A., L.T., Diploma in Geography.

There was no change in the staff during the year under report.

General

Dr. George Kuriyan continued to be in charge of the Department during the whole year.

In July 1948, the B.A. and B.Sc. (Honours) Courses in Geography were opened in the University on a co-operative basis, with the Queen Mary's College and the Vivekananda College as participating units.

Twelve students have been admitted to the IIIrd Honours Course, eight for B.Sc. (Honours) and four for B.A. (Honours), and provision is made for four Post-Graduates in the IVth Honours, next year.

As in former years, the Diploma Course in Geography was also conducted side by side, in the evenings. Of the ten students who joined the course in 1947, eight appeared for the examination; five passed the whole examination, one with distinction; and one passed in Part I only.

Teaching Work

Senior Lecturer:

1. Has six hours of lectures and three hours of practical for the Diploma Classes, every week.

2. Has seven hours of Lectures for the Honours classes every week.

Research Work

1. The Paper on "Geography—The Foundations of History" was seen through the press (Madras University Journal).

2. A paper on "National Atlas of India" is under preparation to be read at the Indian Science Congress in January 1949.

3. Some progress has been made on the paper on "Wheat in India"; but owing to the heavy work in connection with preparation of lectures for the Honours classes, it has not been possible to make it ready for publication.

Junior Lecturer.

Teaching Work

1. Has six hours of lectures and two hours of practical for the Diploma Classes every week.

2. Has two hours of lectures to the Chemical Engineering students at the A. C. College of Technology.

Research Work

1. Prepared a map of South India for the Senior Lecturer in Sanskrit to illustrate Ananda Ranga Pillai's Diary.

2. Study of the Economic Geography of the Mica Industry in India. The work is nearing completion.

3. Preparing a note on the Kaveri Basin.

Field Work

Conducted a Field Survey of—

(a) Parivakkam (on 17-1-1948)—(Sriperumbudur Taluq).

(b) Palavakkam (on 17-2-48)—(Saidapet Taluq).

(c) Paraniputhur (11-12-1948).— (Sriperumbudur Taluq).

to study the details of land use and the pattern of distribution of population. Supervised the preparation of maps of land use and the drafting of the Field Work Reports.

Research Student

Miss V. A. Janaki, the Research Student was working on "The Agricultural Geography of South India." She had completed most of the maps showing the distribution of the various crops and had begun to write her report, when she was offered a seat in the Oxford University for the D.Phil. Degree. With the permission of the Syndicate she resigned her studentship on 8-9-1948.

PHILOSOPHY

Staff:

Senior Lecturer:—Sri T. M. P. Mahadevan, M.A., Ph.D. (on foreign study leave for one year from August 1947.)

Research Work in progress

1. Suresvara's *Bṛhadaranyakopaniṣad* — *bhashya-vartika* is being studied.
2. A work on the Doctrine of Maya is being written.
3. A series of 6 lectures on the Doctrine of Maya was delivered in the month of January.

Papers published:

1. Bertrand Russel and Western Philosophy (The Indian Review, January 1948).
2. Swami Vivekananda on the Doctrine of Maya (The Golden Jubilee Volume of the Ramakrishna Math, Madras).
3. A French Savant's Advocacy of the Vedanta (The Vedanta Kesari).

Research Fellow and Students

Mr. V. A. Devasenapathi, M.A., has been working at the final draft of his thesis on 'Saiva Siddhanta as expounded in the Sivajnana Siddhiyar and its six Commentaries. He has submitted his thesis for the Doctorate Degree.

1. Mrs. Ratna Shivaraman was awarded the M.Litt. degree for her thesis entitled "The Metaphysical basis of Indian Ethics."

2. Mr. P. N. Shanmugasundaram was awarded the M. Litt. degree for his thesis entitled "The Philosophy of F.H. Bradley."

PSYCHOLOGY

Staff:

Senior Lecturer:—Dr. G. D. Boaz, M.A., D.Phil. (Oxon).

Classes for the M.Ed. Degree Students

- (a) Lectures on Educational Psychology 2 hours a week.
- (b) Lectures on Special Problem. The Education of the handicapped child in India. 5 lectures of 2 hours each.
- (c) Practical work and Seminar. 3 hours a week.

Theses submitted during the year

1. Language Development in School Children of ages 7-12. For the Ph.D. degree.
2. Analytical bases of Personality. For the M.Litt. degree.
3. Statistical Survey of arithmetical ability in Madras School Children. For the M.Ed. degree.

Work completed during the year, but not yet submitted in thesis form

1. Studies in Abnormal Psychology.
2. Psycho-analytical study of wit and humour in Malayalam literature.

Work of research students in progress

1. Mental Hygiene in Schools.
2. Problem of discipline and order in some Madras schools.
3. Emancipation of the child from home.
4. Studies in Social Psychology. (By the Research Fellow).

Lecturer :

The following papers have been completed:—

1. Freudian interpretation of human personality.
2. Oedipus complex and its variations.
3. Paranoia.
4. Emotions.
5. Instinct and Intelligence.

MATHEMATICS

Staff :

Reader :—Dr. R. Vaidyanathaswamy

Work of Reader:

1. Departmental lectures on Statistical Mechanics.
2. Inter-collegiate lectures on 'Geometry of Quadrics.'
3. Presidential Address to the Mathematics Section of the Indian Science Congress on 'The New Mathematics'.
4. Lecturing to the I and II year classes of the Diploma in Statistics.

Treatise on Set-Topology, Part I was published last year, and some preparatory work for Part II has been done this year.

Research Fellow

Stipendiary :

Mr Ambasanker has a paper on 'Gressman cubic and Wallace lines' accepted for publication in the 'Mathematics Student'. He ceased to be Fellow since 3rd December.

Research Students

Stipendiary :

1. M. Suseela has completed her term in August, but is still engaged in her thesis on 'Non-Desarguesian Geometries' which will be submitted in January.

2. Miss Padma has a paper on 'Duality of linear tensors in affine space' appearing in the next number of the Journal of the Indian Mathematical Society. She is working at present on Pfaff's problem.

3. V. K. Balachandran is working on both Topology and Partially ordered sets. He published two papers 'The Ideals of the Distributive Lattice' and 'Minimal Bicomact Spaces', which appeared in the latest number of the Indian Mathematical Society.

Non-stipendiary :

- | | |
|--------------------------|----------------------------|
| 1. H. Vijayakrishnan. | } are working on Topology. |
| 2. N. Krishnan. | |
| 3. T. S. Balasubramanian | |

STATISTICS

Staff:

Lecturer:—Sri D. V. Rajalakshman M.A., M.Sc.

Work in Progress

Work on 'Analysis of Time Series' with reference to some economic time series is being continued in the Department. A statistical study of 135 years of prices in

Madras Presidency is in progress at present. The Lecturer is also studying, in particular, the aspects of cyclical variations with a view to conducting statistical study of economic cycles with reference to India.

Studies on Population Problems are also being pursued by the Lecturer. He revised the paper on 'Studies in war-time Demography' prepared already. Information regarding the manner of conducting Census investigations and material about the population growth and production are being gathered for conducting statistical analysis.

Statistical study of trends in Indian Trade, some aspects of which have already been worked out in the department by previous research students, is being continued as the work of the Department.

He is at present engaged in the analysis of information obtained in a sampling investigation conducted into the physical measurements and tests of efficiency.

Work completed

The Lecturer revised the two articles on 'Studies in war-time Demography' and 'A Note on the Location of Industries in India,' presented to the Indian Science Congress by including further analysis.

Papers Published

The following papers have been published in the Journals specified during the year:—

1. Agricultural Labour in India—*Indian Journal of Economics*.
2. Co-operative Movement in Indian States—*Indian Co-operative Review*.
3. Banking and Currency Statistics in India—*Indian Journal of Commerce*.

Lectures

(i) In accordance with the scheme of departmental lectures intended mainly for Honours students and for those pursuing research, the Lecturer delivered six departmental lectures in February 1948 on the following subjects:—

1. 'Rank Correlation'
2. 'Design and analysis of Complex Experiments'
3. 'Measurement of Population Growth',

and seven departmental lectures in November as follows:—

1. Principles of designing Scientific experiments.
2. Error Control: Simple Designs.
3. Error Control: Randomised blocks and Latin Squares.
4. Confounding and recovery of Information in Complex experiments.
5. Quality Control in Industry and
6. Control Charts and their applications.

(iii) The Lecturer is giving special lectures for two hours every Saturday on Statistics with special reference to Industry to the B.Sc. (Tech.) textiles students,

Diploma Classes.

40 students have been admitted in the First year and 28 joined this year in the Senior class. The subjects for special study offered by the senior students this year are Agricultural Statistics, and Actuarial Statistics.

During this year the lecturer is taking classes in statistical methods and practical on two evenings for the

First year and Mathematical Statistics, Applied Statistics and Agricultural Statistics on three evenings for the Second year. In addition special classes are also being arranged to teach Mathematics for the I year students who are not Graduates in Mathematics. The class in Elements of Statistics for the Diploma in Economics is not held this year as according to the usual practice, it is held in alternate years.

Of the 12 students who completed the Diploma course in March 1948, 9 appeared for the examination held in July 1948. All of them were declared qualified and one of them secured distinction.

Other Items

The Lecturer assisted research workers of different departments in the collection, analysis and interpretation of data. Besides pursuing the work on general subjects of 'Analysis of Time series' and 'Statistical Study of Trends in Trade' the work of the Department is mainly directed towards the analysis of Statistics pertaining to current economic problems and prepare papers.

General

The Lecturer attended the session of the Indian Science Congress held at Patna from 1st to 8th January 1948 as a delegate of the University and took part in the discussions on papers read in the Statistics section besides attending the general symposia. He presented a paper on the 'Location of Industries in India'.

Research Students

Four students have joined the Department as research workers this year. All of them have commenced studies in different branches of Statistical Methods and Applied Statistics in which they intend pursuing work. Details about them are given below.

Mr. M. Vasudeva Pai joined as probationary research worker on 3rd November 1948. He has just commenced studying publications relating to the testing of hypothesis and is reading published papers for undertaking a sampling enquiry into the economic conditions of the middle classes in the city.

Mr. N. C. Chakravarthi, Mr. V. Panchapagesan and Mr. O. Suryanarayana joined the department as non-stipendiary research students on 7th, 9th and 21st September 1948 respectively. Mr. Chakravarthi has been engaged in studying published works on statistical analysis of marks in examinations and Mr. Panchapakesan has been preparing a scheme of work for a statistical study of accidents. Mr. Suryanarayana is reading published papers on import trade in order to continue the work of the Department on 'Indian Trade' two aspects of which have already been completed by previous workers.

BOTANY

Staff:

Director (Professor) :

Dr. T. S. Sadasivan, M.Sc., Ph.D. (London).

Lecturer :

Sri T. V. Desikachary, M.Sc., (Up to Sept. 9, 1948).

General

Dr. T. S. Sadasivan who was on deputation to the Government of India as officer on special duty, Scientific Man Power Committee, Ministry of Education, Government of India re-joined as Director of the Department in March. With effect from 1st April Dr. T. S. Sadasivan was promoted Professor of the Department.

Sri T. V. Desikachary, Junior Lecturer resigned his post on September 9th and the post was vacant since then.

Sri T. V. Desikachary was deputed by the University as a delegate to the Indian Science Congress Session held at Patna in January, 1948.

Sri T. V. Desikachary and Dr. C. V. Subramanian have been awarded two research fellowships by the National Institute of Sciences of India for a period of two years with effect from September, 1948 for work on Algae and Fungi respectively.

Miss L. Yogeswari, M.Sc., has been awarded a Fellowship.

Two new stipends were awarded this year in August. Four studentships awarded in 1947, were continued this year also. One student is receiving for a second year a Cochin State Scholarship.

Altogether there are at present in the department two research Fellows of the National Institute of Sciences, one research Fellow of the Madras University, six stipendiary students, one Cochin State Scholar and three non-stipendiary students.

Sri C. V. Subramanian and Miss L. Yogeswari, have been awarded the degrees of Ph.D., and M.Sc., respectively on their theses submitted in August, 1947.

The Director and the Junior Lecturer delivered a series of Inter-collegiate lectures for final year Honours and Post-graduate students on Phytopathology and Hydrobiology this year also as in the previous year. The Director delivered a series of lectures on Microbiology to the Leather Technology Students of the A. C. College of Technology.

Publications

The following papers have been published :—

- (1) K. S. Venkataramani : "A note on some abnormal flowers of *Hibiscus esculentus* L."

Proc. Ind. Acad. Sci. 27, No. 4, 105—110, 1948.

- (2) T. V. Desikachary : "On *Camptylonema indicum* Schmidle and *Camptylonemopsis* gen. nov." Proc. Ind. Acad. Sci., 28, No. 2, 35—50, 1948.

The following papers have been accepted for publication :—

- (1) L. Yogeswari (Miss). Trace-element Nutrition of Fungi—I. The effect of boron, zinc and manganese on *Fusarium* species. (Proc. Ind. Acad. Sci. vol. 28, No 6, 1948.)
- (2) Sri C. V. Subramanian : Soil conditions and wilt diseases in plants with special reference to *Fusarium vasinfectum* on cotton. (Proc Ind. Acad. Sci.)

Work on the following problems is in progress :—

Director :—

Nitrogen metabolism of Fungi with special reference to organic and inorganic sources of nitrogen and growth of *Fusarium vasinfectum*.

T. V. Desikachary :—

- (1) Algal flora of some hill streams in South India.
- (2) Seasonal Succession and Periodicity of Algal Flora in a stream at Tirupati Hills.

C. V. Subramanian :—

Taxonomic studies of *Fusarium* spp. isolated from wilt sick soils of South India.

L. Yogeswari (Miss) :—

Further studies on the Trace-element Nutrition of some soil borne root infecting Fungi.

T. S. Sarojini (Miss) :—

Pathogenicity of *Fusarium udum*: trials on *Cajanus cajan* with micro-element nutrition in the soil.

C. Thankam (Mrs.):—

Antagonisms between soil Fungi and other micro-organisms in the soil with special reference to *Fusarium vasinfectum*.

Sri N. T. Somasundaram :—

The organic and inorganic nutritional physiology of cotton-wilt with special reference to the wilt disease of *Fusarium vasinfectum*.

Sri C. S. Venkatram :—

Studies on cotton seed :

(i) The infection of Cotton seed due to various soil and seed-borne micro-organisms.

(ii) Preliminary investigations on the part played by various micro-organisms in the loss of viability of Cotton seeds.

K. Radha (Miss) :—

Soil conditions and wilt disease in plants with special reference to *Rhizoctonia bataticola*.

Sulochana, C. B. (Miss) :—

Soil conditions and wilt diseases in plants : colonization and survival of soil Fusaria in soils treated with micro-elements.

Sri B. W. X. Ponnayya :—

Studies in sorghum : Resistance of certain varieties of Sorghum to Cholan fly (*Atherigona indica*) attack and its causes.

Sri S. Venugopal :—

"Disease resistance of crop plants with special reference to silica accumulation."

Sri E. John Chinnayya :—

"Soil conditions and wilt diseases in plants with special reference to *Rhizoctonia* spp. on Cotton.

Sri R. P. Varma :—

Soil conditions and wilt diseases in plants with special reference to *Fusarium* spp. on Tomato.

BIOCHEMISTRY.

Staff:—

Director (Professor)—B. B. Dey, Esq., M. Sc., D. Sc., F.R.I.C., (Acting).

Research Assistant:—Sri A. Narayanaswami, B. Sc.

General

Dr. M. Damodaran left the Department in February 1948 on being appointed to the National Chemical Laboratories and the research schemes under the Indian Research Fund Association and the Council of Scientific and Industrial Research were transferred to the Council's Laboratories at Delhi. The Research Assistant, Mr. C. Siva Raman was in charge of the Department till the end of March when Dr. B. B. Dey took charge as Director. Mr. C. Siva Raman left the Department on 31-8-48 and Mr. A. Narayanaswamy joined the Department as Research Assistant on 1-9-48.

Work in Progress

(a) The preparation of protein hydrolysates for therapeutic use and the large scale preparation of individual aminoacids.

(b) The characterization by chemical means of the proteins isolated from seeds of *Ricinus communis* and of tobacco.

(c) The occurrence in nature and the chemistry of thiolhistidine and hydroxylysine.

(d) The lipotropic activity of methionine and choline; the microbiological assay of choline.

(e) Standardization of methods of assay of haemopoietic activity of liver extracts, and the testing of the concentrates of shark liver for haemopoietic activity.

(f) The relation of anterior pituitary hormones and insulin to hexokinase action, and assay of the two hormones based on inhibition of hexokinase by anterior pituitary hormone and the reversal of this inhibition by insulin.

(g) Preparation of adenosine triphosphate.

Work completed, in the process of publication or yet to be published

(a) Preparation of pure collagen from shark fin rays; detailed aminoacid analysis of the collagen and the chemistry of its conversion to gelatin.

(b) Fractionation of kidney proteins; preparation and chemical and physiological properties of crude "renin."

(c) Fractionation of the seed proteins of *Ricinus communis*; their preparation in pure form.

(d) Preparation on a large scale of arginine from oil seed cakes and methionine, histidine and lysine from coagulated whole blood.

(e) Estimation of tryptophane in the free and combined state; isolation from blood-fibrin.

(f) Effect of choline on the nature of liver and depot fat; effect of methionine and choline supplements on liver fat deposition.

(g) Standardisation of chemical methods for estimation of choline; choline content of Indian food materials.

(h) Role of isoleucine in blood formation, using the phenylhydrazine technique.

(i) The use of *Aspergillus niger* for production of citric acid; isolation of the acid in crystalline state; relation of morphology of the strain of fungus and composition of culture medium to optimal yields; preparation of gluconic acid using dried mats of *Aspergillus niger* as source of glucose oxidase.

(j) Synthesis of ascorbic acid from sorbose, obtained by bacterial oxidation.

(k) The metabolic products from tyrosine and glutamic acid used as sole source of nitrogenous nutrient for *Aspergillus niger*.

Works published in the year

(a) M. Damodaran, P. N. Rangachari and K. V. Ramakrishnan: Citric acid fermentation; J. Sci. Ind. Res., May 1948.

(b) M. Damodaran and T. R. Venkatesan: Amide synthesis in Plants, Part III—Urea formation in germinating seedlings; Proc. Ind. Acad. Sci., Vol. 27, No. 1, Sec. B, 1948.

(c) M. Damodaran and S. S. Subramanian: Amide synthesis in Plants, Part IV—Aspartase in germinating seedlings; Proc. Ind. Acad. Sci., Vol. 27, No. 2, Sec. B, 1948.

(d) M. Damodaran: Nitrogen metabolism and human nutrition, Part V; Madras University Journal, June 1948.

(e) B. B. Dey, C. Sivaraman and H. C. Friedmann :
A note on the preparation of adenosine triphosphate from
Bull Frogs. (In Press).

Lectures given and conferences attended

Dr. B. B. Dey was appointed Chairman, Heavy
Chemicals and Chemical Industries Committee and also of
the Dyestuffs Committee of the Council of Scientific and
Industrial Research, Government of India in March, 1948.
He also attended an important meeting of the Council of
the National Institute of Sciences (India), at Delhi in April.

Number of research students, their subjects and progress of work

Stipendiary:

(a) Mr. D. V. Siva Sankar has prepared the important
protein constituents of the seeds of *Ricinus communis* in a
pure form and is studying their aminoacid composition.

(b) Mr. H. C. Friedmann has worked out a method for
the preparation of arginine from oil seed cakes and is en-
gaged on studying the role of adenosine triphosphate on the
hexokinase enzyme system.

(c) Mr. K. Lakshminarayanan is investigating the
large scale production of gluconic and citric acids by
Aspergillus niger.

(d) Miss J. Vedam is investigating the effect of
methionine on liver fat deposition.

(e) Mr. S. Subramanian has finished his preliminary
training and is engaged on the preparation and standardisa-
tion of insulin.

Non-Stipendiary:

(a) Mr. K. Sarangan was a stipendiary student till
September, and has completed an investigation on the

estimation of choline by chemical methods. He is
standardizing a microbiological method for the estimation
of cholin.

(b) Mr. K. Chandra Menon was a stipendiary student
till November. He has completed an investigation on the
role of isoleucine in blood formation.

(c) Mr. V. B. Esvaran has finished his preliminary
training and is investigating the occurrence of thiolhistidine
in proteins.

(d) Mr. K. L. Ramachandran has finished his
preliminary training and is engaged on the preparation
of hydroxylysine.

(e) Mr. T. V. Ramachandran is being trained in bio-
chemical techniques and manipulations.

(f) Mr. M. Ramachandran is working out methods for
the estimation of tryptophane in the free and the combined
state.

ZOOLOGY.

Staff:

Director (Reader):—Sri C. P. Gnanamuthu, M.A.,
D.Sc., F.Z.S.

Research Assistant:—Mrs. F. G. Abraham, B.A., M.Sc.

I.C.A.R. Research Assistants:—
Sri G. S. Narayana Rao, M.Sc.
Sri K. Krishnan Nair, M.Sc.

The year began with Miss M. Samuel and Mr. L. R.
Kasturirangan as the I. C. A. R. Research Assistants.
Mr. Kasturirangan left in January to join the
Central Fisheries and the vacancy was filled in February.
Miss Samuel left to join the Central Fisheries in April and
the place was filled in July.

Work in Progress

The investigations carried on at present by the staff and the students are marine biological as hitherto. They have, however, been given an experimental bias since Experimental Zoology is rapidly surpassing the older faunistic and morphological approach to biological problems. The main lines of research are as follows.

A. *The Director*:—Copepods parasitic on Indian fishes.

B. *The Research Assistant*:—Parasitic and free living Isopods of Madras.

C. The fish eggs and larvae of the Madras plankton.

D. The biology of the marine prawns.

The subjects investigated by the students are listed separately.

Works completed

Mr. Samuel Raj completed his study of the Indian Lampyridae. His thesis on the subject was approved for the M.Sc. Degree and is now being prepared for publication. Mr. Sadasivan finished his thesis on the "Biology of *Cerithidia cingulatus*" and obtained the M. Sc. Degree. A third thesis was completed by Miss S. Kamalaveni on the "Biology of the hermit crab *Clibanarius Olivaceous*" and she was declared qualified for the M.Sc. Degree. "Helminths of fishes" by Miss C. K. Subhaprada is a thesis for the M.Sc. Degree. The report of the examiners is awaited.

The following investigations also were completed during the year.

The Director :

- (1) Sex differences in *Chalimus* adult *Caligus polycanthi* n.sp.—Records of Indian Museum, Calcutta.
- (2) *Artocolax unicirrus*—an ergasilid parasite.
- (3) Notes on morphology of *Propallene Kempi*—Linnaean Society, London.
- (4) *Parapetalus caudatus*, Parasitic on Rainbow Sardine.
- (5) Two dichelesthid copepods from South India—Parasitology, Molteno Inst., Cambridge.
- (6) *Syneustius caliginus*—a parasite of the grey Pomfret.—Proc. Zool. Soc., London.
- (7) *Brachiella trichiurus* n. sp. from the ribbon fish—*Spolia Zeylanica*, Colombo. Vol. 25. Pt. 3.
- (8) *Thysanote appendiculata* from *Stromateus niger*—Records of Indian Museum, Calcutta.
- (9) *Perissopus manuelensis* n. sp.—*Spolia Zeylanica* Colombo vol. 25. pt. 3.

The Research Assistant :

The morphology of a new species of *Irona*.

The I.C.A.R. Research Assistants :

Complete reports of work done have been sent to the Indian Council of Agricultural Research, New Delhi.

S. Krishnaswamy (Stipendiary Student) :

- (1) The life-history of *Macrosetella gracilis*. Proc. Zoological Society, London.
- (2) Developmental stages of a Harpacticid—Current Science, Bangalore.

M. J. George (Stipendiary Student) :

Stages in the development of *Sacculina* sp.—Indian Academy of Sciences, Bangalore.

Works published during the year**The Director :**

- (1) *Clavellisa dussumieria* n. sp. from a Madras fish—Proc. Zool. Soc. London, Vol. 117, Pt. IV pp. 748-755.
- (2) *Bomolochus acuta* n. sp. from a sardine—Proc. Indian Academy of Sciences, Vol. XXVII, No. 1.
- (3) *Lernanthropus sciaena*—Records of Indian Museum, XLV, Part III.
- (4) Anatomy and Physiology of *Caligus savala*—Proc. Zoological Society, London.
- (5) Sex differences in Indian Parasitic Copepods—Madras University Journal.
- (6) *Lernanthropus dussumieria* n. sp.—Parasitology, Molteno Inst., Cambridge.
- (7) A new Ergasilid, *Bomolochus multispinosa*—Records of Indian Museum, Calcutta, XLV, Part III.

The Director and R. V. Nair:

- (8) *Otenoplana bengalensis* from Madras plankton—Proc. Indian Academy of Science, Bangalore.

The Director and S. Krishnaswamy.

- (9) Isopod parasites of free living copepods—Proc. Indian Academy of Science, XXVII, No. 5.

S. Krishnaswamy :

- (10) Median eye of copepods—Current Science, Bangalore.

Lectures

A course of over 12 lectures on Invertebrate embryology was given to Honours and Post-graduate students of the Presidency and the Christian Colleges, along with an equal number of practical demonstrations.

Research Students**Stipendiary:**

- (1) S. Krishnaswamy. Subject :—Studies on Pelagic copepods of the Madras coast.
- (2) M. J. George. Subject :—Biology of the edible crab.
- (3) Mrs. E. Sita. Subject :—Studies on Acanthocephala and studies on monogenetic Trematodes.
- (4) K. Pampapathi Rao. Subject :—Anatomy of *Ptychodera flava*.
- (5) B. Krishnamurthy. Subject :—Studies on the Nephridia of Polychaets.
- (6) K. V. Sekharan. Subject :—Fat contents of some fishes.

Non-Stipendiary:

- (7) Cyril Daniel. Subject :—Lagoon deposits of Krusadi area with special reference to Foraminifera.
- (8) P. Vijayaraghavan. Subject :—Food of some of the fishes of the Madras coast.
- (9) K. Nagappan Nair. Subject :—Amphipods of Madras.
- (10) C. Mukundan. Subject :—Studies on gastropods.
- (11) S. Mahadevan. Subject :—The digestive system of fishes.

Of these, 1, 2, 3, 7 and 8 have been doing satisfactory work since July 1947 and will be completing their theses for the M.Sc. by August 1949. The rest have joined the Department only this August and have registered for the M.Sc. They have acquainted themselves with the literature as well as the technique pertaining to their subjects and are proceeding with the investigations.

ANTHROPOLOGY.

Staff:

Lecturer :—Sri L. A. Krishna Iyer, M.A.

Diploma Course

Three lectures a week were delivered to the students who were undergoing the Certificate Course in Social and Cultural Anthropology till April 1948. All the three passed the examination for the Certificate in Anthropology.

During July 1948, 5 students joined the 1st year Diploma course and one for the certificate course in Anthropology. Four students joined the second year Diploma course. The Lecturer in Anthropology delivered 3 lectures per week in Social and Cultural Anthropology for the first year Diploma students and 3 lectures to the second year Diploma students on Physical Anthropology and Pre-historic Archaeology. The Lecturer is being assisted by Dr. A. Ananthanarayana Iyer, Professor of Anatomy, Madras Medical College, with 12 lectures on Comparative Anatomy of man and anthropoid apes and 12 lectures by Dr. A. Ayyappan, Superintendent, Government Museum, on Prehistoric Archaeology to the second year Diploma students.

Research Work

The following books and papers were published during the year :—

1. Kerala, Past and Present : 1. The Prehistoric Archaeology of Kerala.

2. Coorg Tribes and Castes.
3. Importance of a Study of Anthropology. (New Review, 1948).
4. Primitive Religion. (New Review, 1948).

The Lecturer delivered six departmental lectures in January 1948 on the 'Importance of a Study of Anthropology' and 5 lectures on 'the Pre-Dravidian element in Kerala.' He also read a paper on 'The Aboriginal Problem in the Indian Union' before the Indian Science Congress at Patna.

COLLEGE OF TECHNOLOGY.

(Alagappa Chettiyar College of Technology,
University of Madras.)

Chemical Engineering.

Staff:

Professor of Chemical Engineering and Ag. Director:

Dr. M. A. Govinda Rau, M.A., Ph.D. (Lond.)

Senior Lecturers :

Sri V. S. Jayaraman, B.E.

Sri A. P. Madhavan Nair, M.A.

Junior Lecturers :

Messrs. P. B. Janardhan, B.Sc. (Hons.)

P. Murugamanickam, B.E.

B. Chennakesavan, B.Sc. (Hons.) (Tech.)

Demonstrators :

Messrs. P. S. Nagasundaram, B.Sc., B.Sc. (Tech).

Muhammad Ibrahim, B.A., B.Sc. (Tech).

K. Chandrasekharan, B.Sc. (Hons.), B.Sc. (Tech.)

Dr. M. A. Govinda Rau was confirmed as Professor of Chemical Engineering and continued as Ag. Director of the College. The Senate has resolved that the Senior Lectureships held by Messrs. V. S. Jayaraman and A. P. Madhavan Nair be converted into Readerships in General Engineering and Chemical Technology respectively. An additional Demonstrator was sanctioned to cope with the increased number of practical classes in Engineering according to the revised syllabus for the Textile students and Mr. K. Chandrasekharan, B.Sc. (Hons.), B.Sc. (Tech.) was appointed to the post.

General

(1) The lectures and practical work of the course were proceeded with as usual and the results of the B.Sc. (Tech.) Examinations of 1948 are as follows:—

	No. appeared. Part I	No. Passed. Part I	No. appeared. Part II	No. Passed. Part II
Chemical Engineering	19	13	23	17
Textile Technology	11	8	7	5
Leather Technology	8	6	5	5

The strength in the B.Sc. (Tech.) classes for the year is as follows:—

	I year.	II year
Chemical Engineering.	21	19
Textile Technology.	10	11
Leather Technology.	8	8

(2) 197 books and 176 back volumes of periodicals were added to the College Library during the current year.

(3) The construction of the buildings for the College is in good progress and the structural work is expected to be completed by July 1949. Arrangements for furniture and installation of fittings and other services are being made.

Arrangements are also on hand for the construction of a Kitchen and Dining Hall Block for the Hostel.

(4) *Tours*:—A number of factories located in Madras and outside were visited. The students who were conducted by a member of the teaching staff were prepared for these tours in advance, and the special features of the equipment in use were explained in detail.

(5) *Factory Training*:—Factory training for three months was arranged by the College for all the Chemical Engineering students. The students, after the completion of the two years' course, were admitted into the following factories to whom the University expresses its thanks.

Fertilisers & Chemicals Ltd., Alwaye; Mysore Sugar Co. Ltd., Mandya; Tata Iron and Steel Co., Jamshedpur; Travancore Rayons Ltd., Perumbavur; Mettur Chemicals & Industrial Corporation Ltd., Mettur Dam; Rohtas India Ltd., Dalmianagar; Associated Cement Co., Madukkarai; Tata Oil Mills Ltd., Ernakulam; Mysore Iron & Steel Works, Bhadravati; Indian Ordnance Factory, Aruvankadu; Mysore Chemicals & Fertilisers Ltd., Belagula.

Research Work

One stipendiary studentship has been awarded for research in Technology to Mr. K. Chandrasekharan and he has completed his work on "Kinetics of absorption of Carbon Dioxide by alkaline solutions". With an electronically controlled pressure regulator, an arrangement has been made to measure the rate of absorption of

carbondioxide. Data of an accuracy higher than those hitherto reported, are obtainable with this apparatus.

Members of the staff are also engaged in research and the following investigations are in progress:—

1. "Fluidisation of granular solids" by Sri V. S. Jayaraman.
2. "Sedimentation analysis with the use of the Super Centrifuge" by Mr. P. S. Nagsundaram.
3. (a) "Synthetic organic chemicals from vegetable oils."
(b) "Studies in the dehydration of castor oil" by Mr. P. B. Janardhan.
4. Solid phase reactions at high temperatures by Mr. Muhammad Ibrahim.

Only a few select technical investigations have been undertaken in answer to enquiries from outside, but with more space available in the new college buildings that are coming up, it is hoped that the College will be able to be of greater help to Industries.

Publications

The following publications were made during the year:—

- (i) Method of sub-dividing Logarithmic and other non-uniform scales (Dr. M.A. Govinda Rau)—'Chemical Engineering' June 1948, p. 128.
- (ii) Method of Designing Packed Columns (Dr. M. A. Govinda Rau and M. J. Simon)—'Industrial and Engineering Chemistry' 1948-49, 93.
- (iii) Promise of Technology (Dr. M. A. Govinda Rau)—Sir A. L. Mudaliar 60th Birthday Commemoration Volume,

Association of Technologists

This Association, under the auspices of the College conducted several meetings inviting some prominent gentlemen to speak on Technological and Industrial subjects and schemes. Many student members also spoke on prescribed subjects and opened discussions on same.

Leather Technology

Staff:

Honorary Professor of Leather Technology:

Sri K. Seshachalam Chowdary, M.A., M.Sc., A.I.C.

Assistant in Leather Technology:

Mr. Mathew C. Elanjikal, B.Sc., B.Sc. (Tech.)

Tanning Instructor:

Sri K. Rajabather.

Research Assistant:

Sri P. Hanumantha Rao, B.Sc., B.Sc. (Tech.)

Since August 1948, the designation of the Full time Assistant has been changed to Tanning Instructor.

With the kind permission of the Government of Madras the classes in Leather Technology continued to be held at the Government Leather Trades Institute, Washermanpet.

There are 8 students in each of the first and second year classes. The work consists of lectures and practical work in the Laboratory and tannery. 5 students appeared in the Final examination in April last of whom one passed in the First class and the remaining four in the second class.

The Research Assistant had been working on "A scientific study of the South Indian Tannages." The

preliminary work was completed and a systematic study of the subject has been taken up. This includes work in the laboratory and the tannery. The liquors are first analysed in the laboratory and the tannage conducted in the tannery, followed by periodical analyses of the liquors and the final leathers again analysed. The work is in progress.

The second year students, accompanied by the Assistant in Leather Technology went on tour last September to Bengal and visited the following:—

Laxmi Tanning Extract Factory, Kharagpur, the only Factory of its kind in India.

Bengal Tanning Institute, Calcutta.

National Tannery, Calcutta.

Bata's Tannery, Batanagar.

Calcutta Tannery, Kankinara.

Dhori Leather Tanneries, Tiljala.

Chinese Colony, Calcutta.

Textile Technology

Staff:

Honorary Professor: Khan Bahadur D. M. Amalsad, Assoc. M. C. T. (Manchester).

Lecturers:

Mr. R. A. Quraishi, B.Sc., B.Sc. (Tech.)

Sri S. Krishnamurthi, B.Sc., B.Sc. (Tech.)

The Honorary Professor in Textile Technology conducted the B.Sc. (Tech.) Degree Course, with the facilities available at the Government Textile Institute, Madras. This Course in Textile Technology was started by the University in the year 1945, and is at present in its fourth year. Sri A. R. Ramaswamy, B.Sc., L.T.C. (Hons.), Lecturer in Textile Chemistry of the Government Textile Institute, rendered part-time assistance by taking classes in 'Textile Chemistry' for the first and second year

students of the Course. Likewise, the Drawing Master of the Institute conducted classes in drawing of textile machines and parts, and plans of spinning and weaving mills.

The number of students in the above Course is 10 in the first year class and 11 in the second year class. The second batch of 7 candidates enrolled for this course in July, 1946, completed their course in April last.

The students were taken to Mills in Madras and Coimbatore, for observing and studying the working of the machinery in the different sections. It is gratifying to state that Messrs. Binny & Co., Ltd., Madras, have been good enough to agree to the students' visiting their Mills in Madras, along with a Lecturer for the conduct of practical classes during the ensuing term.

SANSKRIT

Staff:

Reader:—Sri C. Kunhan Raja, M.A., D.Phil. (Oxon).

Senior Lecturer:—Sri V. Raghavan, M.A., Ph.D. (from 2-7-1948) (was Junior Lecturer till 2-7. 1948.

Junior Lecturer:—Sri S. Subrahmanya Sastri, B.O.L. (from 13-10-1948).

Reader:

1. Compared the manuscripts of the Sama Veda Commentaries, recently published, with the printed edition to prepare a complete list of variants. The work is proceeding.
2. Similarly compared the two commentaries on the Rgveda recently completed to prepare a statement about their mutual relations, by noting their mutual affinities and differences; work is proceeding.

3. Prepared notes on the History of Classical Literature and of the Vedic Literature. The former is based on Class Lectures given to the Honours students and is being similarly used for the current year, with revisions.
4. Prepared a detailed introduction to a poem called *Haricharita*, which has a great historical value; parts of this introduction were utilised for preparing a small pamphlet on the elements of Hindu Astronomical Calculations.
5. Conducted Classes for the Final Year Honours Students in Sanskrit for two hours a week.
6. Submitted a Paper to the All-India Oriental Conference; but could not attend the Conference.
7. Submitted several papers to Journals relating to Sanskrit.
8. Prepared a course of two lectures on a Comparative Study of Bharata and Aristotle; a part is already printed.
9. Prepared the translation with notes for the second chapter of Sangitaratnakara; and also the edition of the Second Book (only a part) of Sangitaraja of Maharana Kumbha. Starting printing the text of Sangitaratnakara with the commentary of Simhabhūpala, which is not yet printed, for the fifth Chapter.
10. Took classes on Dhvanyaloka for the sake of the research student who is preparing a Thesis on "Nature in Kalidasa."

Senior Lecturer:

The place was vacant for the first half of the year, but filled up by the appointment of Dr. V. Raghavan, who was

the Junior Lecturer, and who took up the new appointment on the 2nd July 1948.

1. Continued the work on the Catalogus Catalogorum. Printing of the whole of Volume I of this work (380 pages) completed. List of abbreviations etc., are being printed. Compiled most of the matter for the next letter of the alphabet.
2. Brought out the critical edition of the Anandaranga Champu with his own Sanskrit Commentary, Introduction in English, Notes, Maps, etc. A Second edition of Mudrarakshasa Katha was also brought out during the year.
3. Contributed seven papers to Research Journals.
4. Attended the All-India Oriental Conference, read Papers in two of the Sections, and took part in two of the symposia. He has been elected President of the Classical Sanskrit Section of the next Session.

Junior Lecturer :

In the place of Dr. V. Raghavan, who was appointed Senior Lecturer, Sri S. Subrahmanya Sastri was appointed and he took up the appointment on the 13th October 1948.

He has taken up editing of portions of Brihati of Prabhakara with the Rjuvimala of Salikanatha, not already published by the Sanskrit Department. He also took up the edition of Khanda Deva's Bhatta Deepika, with the Prabhavali commentary of Sambhu Bhatta.

In the latter, corrected and prepared a copy for the first two Padas of the Seventh Chapter. In the former, corrected and prepared a copy for the first Adhikarana of the Second Pada of the Second Chapter.

Preparing an English Translation of Gangesopadhya's Tattvachintamani with the Deethiti of Raghunatha Siromani, for the Anumana (Inference) Section.

Research Students

Miss T. M. Sarada joined the Department as a non-stipendiary Research Student on the 20th August 1948. She has applied for registration for the Ph.D. Degree and is also an applicant for a Stipendiary Research Studentship. She is working on "Nature in Kalidasa." She has examined all the works of Kalidasa and has noted all points relating to Nature and has arranged the points under several heads. She is reading general books relating to the problem and studying Dhvanyaloka under the Reader.

TAMIL

Staff:

Reader:—Sri R. P. Sethu Pillai, B.A., B.L.

Senior Lecturer:—Sri M. Varadarajan, M.O.L., Ph.D.

Junior Lecturer:—Sri V. Venkatarajalu Reddiyar
(Retired on 26-6-48.)

Junior Lecturer:—Sri B. R. Purushottama Naidu,
Vidvan.

Research Work

Reader.

Work in Progress:

1. The Life and Work of Father Beschi (Viramamunivar).
2. A Monograph on Dr. G. U. Pope (Popaiyar).
3. A Short History of the Tamil Literature.

Works completed and awaiting publication:

1. Words and their Significance (Revised).
2. Sollin Selvam (Romance of Words).
3. Comparative Vocabulary of the Dravidian Cognates
(Joint work of the Dravidian Departments).

Work Published during the year:

Tamil Inbam (Pleasures of Tamil Literature).

Lectures Given and Conference Attended:

Lectures.

1. The Reader is giving Extension Lectures to the B.O.L. (Honours) students of the Pachiyappa's College, Madras, on Semantics and Epic Literature.
2. Gave a course of five lectures on the 'Ancient Tamil Villages' to the trainees at Kalluppatti, Firka Development Centre, Madura District, at the request of the Government of Madras, and deputed by the University.

Supervision

Directed the work of Mr. V. Ponnuthurai, who was a Research student deputed by the Government of Ceylon. He resigned his studentship in November 1948.

General

1. Contributed twelve literary articles under the caption "Sea-Shore" to the "Tamil Tenral" of Virudhunagar.
2. As a member of the Tamil Script Reform Committee, (appointed by the Government of Madras), he attended meetings and offered suggestions.

The programme of work submitted by the Department is being followed closely.

Senior Lecturer:

Sri M. Varadarajan, M.O.L., Ph.D., joined the Department as Senior Lecturer on 2-7-1948. He submitted his programme of work which has been approved.

Research:—Critical notes have been prepared for the Idylls Tirumurugarrupadi, Porunararrupadai, Cirupanarrupadai, and Perumpanarrupadi of Pattuppattu.

Lectures:—Extension Lectures were given to the B.O.L. (Honours) students of the Pachaiyappa's College, Madras, on "The Ethical Literature in Tamil" and "The Morphology of the Tamil Language."

Junior Lecturer :

Sri B. R. Purushottama Naidu joined the Department as Junior Lecturer on 27-9-1948. He has submitted his programme of work.

Research:—He was reading through the First Ten of the 'Idu' rendering the same into modern Tamil.

Sri V. Venkatarajalu Reddiyar was the Junior Lecturer in Tamil till the 26th June 1948. He was engaged in writing his thesis on Vrittas during the period under report.

TELUGU**Staff :**

Senior Lecturer:—Sri K. Ramakrishniah, M.A.

Junior Lecturer:—Sri N. Venkata Rao, M.A.

Works in Progress**Senior Lecturer:**

1. A treatise on Nannaya—as Vāganusāsana—His contribution to the Telugu Language and Literature.

2. Yerrāpragada—as Prabandhaparameswara—his place in Telugu Literature.

3. Dravidian roots and their development in Telugu.

Junior Lecturer :

1. Lives of the Telugu poets and a historical estimate of their work (Those of the Age of Tikkana and Sreenadha).

2. Dvipada Kavya and its development in Telugu Literature.

Works Completed (yet to be published)

1. Dravida Bhasha Tattva Vimarsanam.
2. "Dēsi"—in South Indian Languages and Literature.
3. Udayanodayam.
4. Udāharana Literature in Telugu.

Works Published during the Year

1. Kumārasambhava of Nannichōda Dēva.
2. Sandhi, (2nd edition), published with the permission of the University.

Lectures given and Conference attended

The Senior Lecturer was kindly deputed by the University as its delegate to the All-India Oriental Conference held at Darbhanga in the middle of October 1948. He attended the Conference, presided over the Dravidian Languages and Culture Section of the Conference, delivered the Presidential Address and conducted the proceedings of that Section of the Conference.

Assistance given

Assistance in the subjects 'History of Language and Philology' and "History of Literature and Literary

Criticism" by the Senior and Junior Lecturers of the Department respectively, is given to the students from the Pachaiyappa's College, who have taken up Telugu Language, Branch II of the B.O.L. (Honours) Degree Examination, at the rate of two hours a week. Two students are attending the Lectures.

General

Work shown in items 2, 3, and 4 are in accordance with the approved programme of the Department.

During this year the Department is also engaged in the work of the translation of the *Mackenzie Manuscripts*. Summaries of nine Telugu Manuscripts, not hitherto taken up have been prepared during the year. Verification work has also been undertaken by this Department and summaries of four more manuscripts have been verified with the originals.

KANNADA

Staff:

Senior Lecturer :— Sri M. Mariappa Bhat, M.A., L.T.,
Vidvan.

Junior Lecturer :— Sri M. Govinda Rao, M.A., B.O.L.

Senior Lecturer:

Research work:

1. Finished the work connected with "Desi Element in Kannada."
2. Revised Mangaraja Nighantu (a work sanctioned for publication).
3. Revised the manuscript of the Rukmangada Champu of Chikkupadhyaya (a hitherto unpublished manuscript).

4. *Mackenzie Collections*: Scrutinised and summarised the following manuscripts:—

- (a) Tulu Konkana Rajara Sasanagalu (18-19-15) I.
- (b) Gokarna Sasanagalu (18-19-15) II.
- (c) Nagara Kaifiyat (18-15-34).
- (d) Supa Sastra (18-17-18).
- (e) Pandyaraya Vamsavali (18-15-29).
- (f) Sasanagalu (18-15-40),
- (g) Kumara Ramana Sangatya (19-11-19).

Works awaiting Publication

1. Mangaraja Nighantu.
2. Kumara Ramana Kathe.
3. Dravidian Cognates (Joint work of the Dravidian Departments).

Publications

Contributed the following articles to various leading journals:—

1. Development of Languages.
2. Place-names in Tulu Nadu.
3. Structure of Havyaka Language, a dialect of Kannada.
4. Case-Suffixes in Dravidian Languages.
5. Uniformity and Standardisation of Language.

General

The Senior Lecturer attended the All-India Oriental Conference held at Dharbhanga in the middle of October 1948, as a delegate of the University and read a paper on "Some Aspects of Taluva Culture, as revealed in their Vocabulary."

With the permission of the University the Senior Lecturer continued to serve as Chairman of the Kannada Advisory Committee of the Government of Madras.

Junior Lecturer :

Research work:

1. Studied in detail the following Yakshagana books and examined some of the metres used in them:
 - (a) Chudamani; Prasanga.
 - (b) Vali-Sugriva Kalaga.
 - (c) Angada Sandhana.
 - (d) Bhishma Vijaya.
 - (e) Abhimanyu Kalaga.
2. Made a comparative study of Kathakali, Bhagavatha Mela Nataka and Yakshagana dramas.
3. Traced the development of Bhakti Cult in some of the Puranas.
4. Read and took notes from a palm-leaf manuscript of Sarangadhara Charitre, a Yakshagana work.

Mackenzie Manuscripts:

Summarised the following manuscripts from the Mackenzie Collection:—

- (a) Pathragalu (18-23-17).
- (b) Accounts of Bhuta Pandya of Barakur and Bhairadevi of Gerasoppe (19-1-14).
- (c) Biligi Arasara Vamsavali (18-23-13).
- (d) Mysore Rajavamsavali (19-1-12).
- (e) Kalajnana of Chennabasava (18-23-18).
- (f) Kalajnana of Yemme Basava (18-23-18).

- (g) Sarana Lilamritha (18-1-48 to 49).
- (h) Bijjala Raya Charitre (19-1-31).
- (i) Kaifiyats of Haranahalli Haleyabeedu (18-5-10).
- (j) Batte Thayarisuva Vivara (19-1-51).
- (k) Mysore Aramaneya Chinna Bhandarada Lekka (18-5-44).
- (l) Kaifiyats of Kampli, Gutti, etc. (18-15-19).
- (m) Local Records (Kannada Portion) (15-4-21).

Contributions :

The following are some of the articles contributed to well-known Kannada Journals:—

- (a) Gadya-Sahitya Charitre.
- (b) Gadayuddha Mula.
- (c) Janapada Sahitya.
- (d) *Koravanji*—Its Origin and Development.
- (e) Udayavarada Gatha Vaibhava.
- (f) Biligi Arasara Vamsavali.

MALAYALAM

Staff :

Senior Lecturer :—

Sri C. Achyuta Menon, B.A., Ph.D. (London).

Junior Lecturer :—

Sri S. Krishnan Nayar, B.O.L.

General

Senior Lecturer :

Dr. C. Achyuta Menon presided over the last session of the All-Kerala Literary Conference held in the last week of April 1948 at Cannanore and attended the All-India Oriental

Conference at Dharbhanga in October 1948 and read a paper on "The Origin of Malayalam" at the Dravidian Section.

He also presided over the Anniversary Celebrations of the Sanskrit Advanced School, Vattoli, N. Malabar, in March 1948.

He was appointed the Convener and Chairman of the Poet-Laureate Committee in Malayalam by the Government of Madras on 6—10—1948.

Research Works

Contributions :

1. The book that attracted me most—A critical survey of Ezuttaccan's Bharatam—a series of four articles published in the Lokavani, Tambaram. (January—April 1948).
2. Awake Malayalees—Udayam, Calicut, February, 1948.
3. Kathakali—Its potentiality as a world art—Udayam, April 1948.
4. The year that is passed—A Survey of the progress attained by India in the field of Literature and Philosophical outlook containing reflections on the attainment of independence by India—Madras Information, September 1948.
5. Kuncan Nambiyar—The great satirist of Kerala—Chitra Tirunal Annual, September 1948.
6. Re-Organisation of Education—Madras Information, October 1948.
7. Vallathole—The National Poet of Kerala—Vallathole Commemoration—Issue of Malayala Manorama, Kottayam, November 1948.

8. Aniruddhan of Vallathole—A critical appreciation—Vallathole 70th Birthday Commemoration Volume, December 1948.

9. Kani and its significance—A Souvenir publication by Catholics—Trichur—Awaiting publication.

Lectures

The following lectures were delivered during January and February 1948 at the University Buildings, Madras.

1. A criticism of Asan's 'Leela'.
2. Kadambari—in Malayalam.
3. Beginnings of Malayalam.

Research Work in Progress :

Continued his researches on 'Nayars and their institutions and "Snake Cult."'

Junior Lecturer :

Contributions :

1. Sur-realism in Art—Keralodayam, January 1948.
2. Art-Impulse (Kalaprachodanam) — Deepika, January 1948.
3. Art and Moral Values—Jayakeralam, April 1948.
4. Isms in Art—Keralodayam, May 1948.
5. Mysticism in Malayalam Literature—Jayakeralam, March 1948.
6. Literary Criticism—Deepika, June 1948.
7. What next—Some creative suggestions to the Editors of Literary Journals in Malayalam, Deepika, June 1948.
8. On Malayalam Prosody — Madras Patrika — Independence Number.

9. Kathakali — Jayakeralam, Special Number December 1948.
10. A critical study of Changampuzha's works—Janatha Press, November 1948.

Research Work in Progress.

Folk Arts and Literature :

Gathered materials on different folk-dances and dramas of Kerala. The following varieties have been studied :—

1. Ayyappan Pattu.
2. Aivar Kali.
3. Kurathiyattam.
4. Chavittunatakam.
5. Margam Kali.

History and Development of Humour in Malayalam Literature :

Investigations have been made on the origin of humour and a paper prepared.

Research Student.

Mr. K. V. Iswara Warriar, the Research Student, left the Department by the end of October 1948. His final report is awaited.

ARABIC, PERSIAN AND URDU

Staff:

Reader:—S. Md. Hussain Nainar Sahib Bahadur, M.A., LL.B., Ph.D.

Junior Lecturer in Urdu:—Md. Hussain Mahvi Sahib Bahadur.

Junior Lecturer in Persian:—A. Syed Usha Sahib Bahadur, B.A.

Reader in Arabic :

1. Completed the revision of the list of Arabic and Persian words in the Tamil Language.
2. Engaged in collecting materials for the proposed work—*History of Islam in South India*.
3. Wrote an introduction in Tamil for the work—*Seydakkadi Varalaru*.

Junior Lecturer in Persian :

1. Completed the preparation of the index for the work—*Tarikh-i-Shah Jahan*.
2. Revised the manuscripts of *Kulliyat-i-Awhadi* submitted for printing by the University.
3. Got ready a press copy of the text of *Waqai-i-Saltanat-i-Muhammad Shah*.

Junior Lecturer in Urdu:

Engaged in preparing a press copy of *Dalilush-Shura* by Mohamad Mahdi Wasi—so far 205 pages have been got ready.

INDIAN MUSIC

Staff :

Senior Lecturer :—Sri P. Sambamoorthy, B.A., B.L.,

Assistants :—Sri M. Udayavarma Raja (Veena).

Sri Madura Subramania Iyer (Violin).

Sri Kalidoss Nilakanta Iyer (Vocal).

General

Sri Valadi Krishnier, the Vocal Assistant having completed the age of 55 retired from service on the 15th August, 1948. Sri Kalidoss N. Nilakanta Iyer was appointed in his place, with effect from the 4th October, 1948.

**Research work done during the year
Theory and History of Music**

Senior Lecturer :

1. Murchhanakaraka melas—a detailed analysis of the resulting scales.
2. Mudras in musical compositions.
3. History of some ragas.
4. Discovered a beautiful Sculpture of the obsolete instrument "Yazh" in the Tirumayam temple, Pudukottai and contributed an article on the historical value of this sculpture to the 'Hindu'. This sculpture has not so far been noticed by the Archaeological Department.
5. Completed 70 further articles in the Dictionary of South Indian music and musicians. Have begun revising the matter for the press.

Articles and papers

1. An article on "Indian Musical Instruments" to the second edition of the "Cultural Heritage of India" to be published by the Ramakrishna Mission, Calcutta.
 2. An article on "Yazh and Veena; the origin of Gottuvadyam" to the special number published by the Tamil Isai Sangam.
 3. "Raga, the pivotal concept of Indian Music".
 4. Swarakshara, Ragamudra and Talamudra.
- | | |
|---|--|
| } | Papers for the All-India Oriental Conference, Darbhanga. |
|---|--|

Deputation to Conference

1. Attended the XIV session of the All-India Oriental Conference held in Darbhanga and read a paper on 'Raga the Pivotal concept of Indian Music' at the Fine Arts Section and a paper on 'Swarakshara, Raga Mudra and Tala Mudra' at the Dravidan Culture Section of the Conference.

2. Attended the meeting of the Advisory Committee of the Sarvodaya Pradarsini Exhibition at Sevagram, Wardha and also delivered a course of three lectures on 'Group musical activities in schools' to the students of the Basic Training College, Wardha.

Departmental Lectures

Delivered a course of six lectures on "History of some Ragas".

Supervision

The Lecturer guided the work of the research fellow and the research students and examined the periodical reports submitted by them.

Research Fellow

Smy. A. V. Kamala:

Subject: "Instruments used as accompaniments in ancient and mediaeval times." She has submitted her final report.

Research Students (Stipendiary)

Smy. R. Brinda:

Subject: "Sacred Music—its origin and development." She has been awarded the M. Litt. degree for her thesis on the above subject.

Smy. K. Varadalakshmi:

Subject: "Raga and Rasa." She has submitted her thesis for the M. Litt. degree on the above subject.

Mr. R. M. Sundaram:

Subject: "History of Musical forms used in dance concerts." He has submitted his final report.

Research Students (Non-stipendiary)

Smy. R. Saraswati:

Subject: "The influence of Indian Music on the music of the adjacent lands."

Smy. K. Gomati:

Subject: "The musical aspect of the Nritya Natakas of South India."

Smy. M. Sitamma:

Subject: "The origin and evolution of the tala system in Indian Music." She has submitted her thesis on the above subject for the Ph.D. degree.

The following students are continuing the work in their respective subjects:—

Smy. K. S. Thulasi Bai:

Subject: "Musical Iconography."

Smy. V. Sita Devi:

Subject: "Folk Music of the Andhra Desa."

Smy. Vidya Gowri:

Subject: "The origin and evolution of gamakas in Indian Music."

Mr. D. B. Narayana Rao:

Subject: "Evolution of Prasiddha Ragas."

Smy. R. Jayalakshmi and Smy. A. Parukutty:

Joined the department as research students in August and they are working on the subjects of "Seats of Music in the past in India" and "Kathakali Music" respectively.

Diploma Course

The Senior Lecturer and the Assistants conducted the diploma classes. There are nineteen students in the first year class and nine students in the second year class.

Of the 28 students taking the whole course, 21 have chosen Vocal, 3 Violin and 4 Veena for their Practical. Four from the first year class and one from the second year class are studying additional practical subjects.

Of the 15 candidates, that sat for the examination in April last, 13 came out successful.